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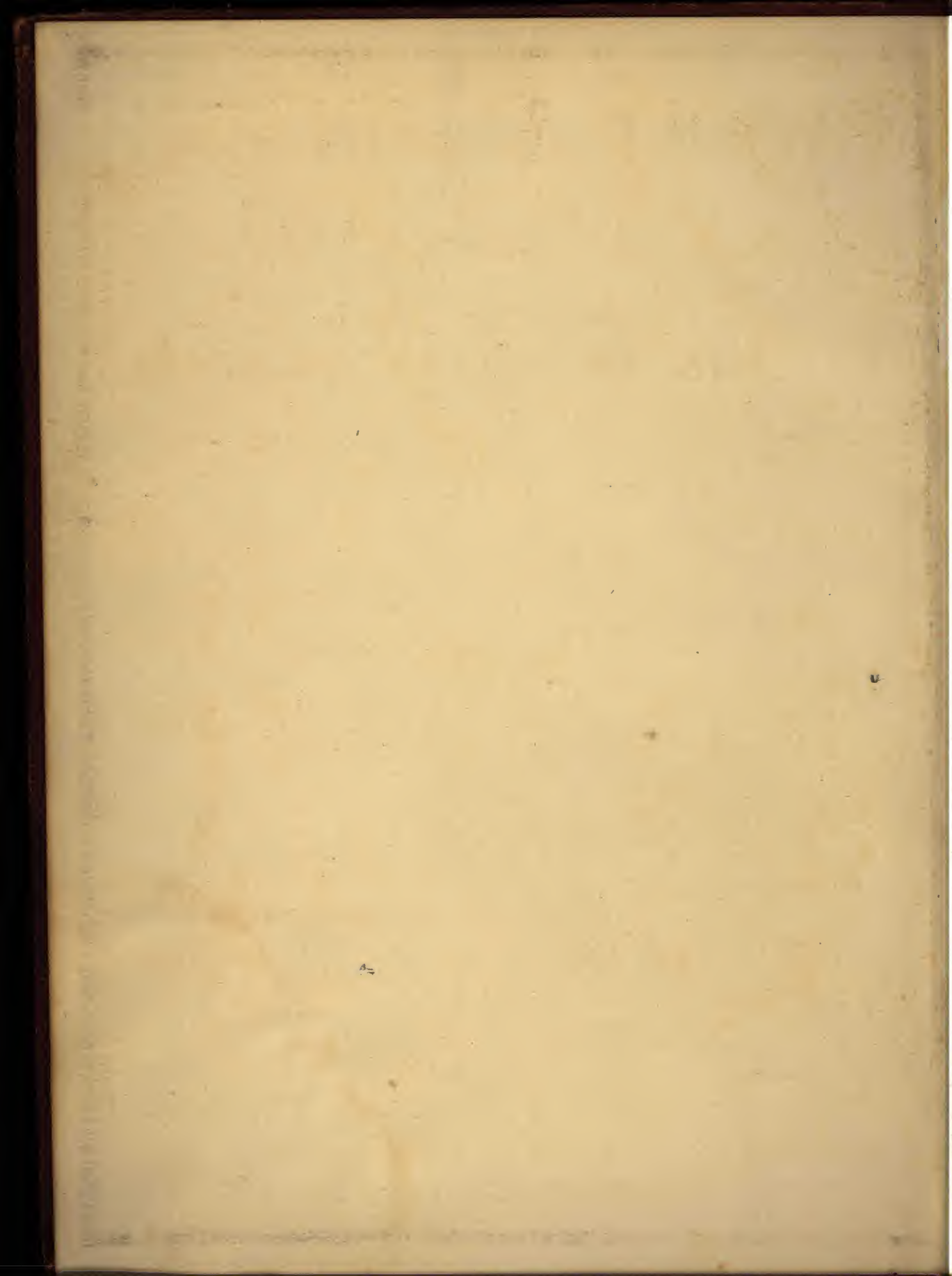
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Alan O'Bright









# EWART & SON Ltd.

346-350 EUSTON ROAD

Telephone:  
2570 Museum (4 lines)

LONDON

Telegraphic Address:  
"Geyser London."

ESTABLISHED 1834

Manufacturers and Patentees

## EXPERTS IN WATER HEATING

### SHEET METAL WORK.

Sheet Metal Work of all descriptions in Copper, Tin, Zinc, Black or Galvanized Iron, up to 16 gauge.  
Sheet Aluminium work of all descriptions.  
Aluminium Castings.  
Brass Castings.  
Metal Linings of all kinds.  
Perforating and Stamping.  
Metal Spinning and Turning in Copper, Aluminium, Zinc, and Iron.  
Brass Finishing and Casting—Turning from Rod or Bar.  
Wrought Iron and Copper work.  
Wrought and Galvanized Iron Ridging.  
Tanks—Galvanized Iron.  
Cylinders—Galvanized Iron, Copper Furnace Pans.  
Sheet Metal work generally.

### WATER HEATING DEPARTMENT.

Geysers and Gas-Fired Water Heaters of all descriptions. "Lightning," "Victor," "Champion," "Surprise," "Royal," "Success," "Califont" and "Supreme" (Automatic supply).  
Geysers to heat by Oil.  
Geysers to heat by Wood.  
Geysers to heat by Alcohol.  
Circulating Boilers, heated by Gas.  
Cylinders (hot water heated by Gas).  
Gas Boilers of all descriptions.  
Steam-heated Kettles for large or small quantities of hot water.  
Steam-Heated Kettles for drinking purposes.  
Gas-Heated Radiators.

### VENTILATING DEPARTMENT.

External Air-driven Ventilators of all descriptions in Galvanized Iron, Zinc or Copper: "Victoria," "Empress," "Crown," "Standard," "Vortex."  
Archimedean Ventilators, Ships' Ventilators, The "Ewart" Copper Ventilator.  
Internal Ventilating Appliances as Tobin Tubes, Ventilating Shafting and Ducts of all descriptions in Copper, Zinc and Galvanized Iron.  
"Hit and Miss" Ventilators.  
Ceiling Grids and Plates.  
"Ventus" Fan, Electric-Driven.

### CHIMNEY COWLS.

"Emperor," "Empress," "Prince," "King," "Acme," "Climax," "Helmet," "Lobster back," and "Universal" System of Tallboys and Terminals.  
Galvanized Flues and Chimney Cowls of all descriptions.

### SPECIALISTS & MANUFACTURERS OF COPPER & ZINC ROOFING.

Ewart's Patent Copper Roofing.  
Zinc and Copper Gutters, and Rain Water Pipes of all descriptions.  
Vanes, Finials, Casements, Skylights.  
Plain and Ornamental Roofing.  
Tiles in Copper and Zinc.  
Lightning Conductors.  
Ornamental Cresting of all descriptions.  
Ornamental and Decorative Figures in Copper and Zinc

### MOTOR DEPARTMENT.

Sheet Metal Work of all descriptions.  
Petrol Tanks.  
Mudguards, Bonnets, Wings.  
Radiators, Under-Trays, Under-Shields, Panels of all descriptions.  
All-metal Sporting Bodies.  
Metal Bodies to any design and pattern.  
Scuttle Dashes.  
Number Plates in Cast Aluminium.  
Acetylene Generators.  
Step-mat Cases.  
Aluminium Water Tanks.  
Surgical Boxes for Ambulance Wagons.  
Zinc Linings for Diet Carts.  
Grease Tins for Diet Carts and for Maltese and Limber Wagons.

### SANITARY DEPARTMENT.

Baths of all descriptions.  
Hospital Baths on Wheels.  
Sheet Metal Baths.  
Sheet Metal Baths for export.  
Cast Iron Porcelain Enamelled Baths.  
Shower Baths and Roses of all descriptions.  
Toilet Baths (Hip and Sponge).  
Nickel-plated Bathroom Fittings.  
(Special Catalogue.)  
Towel Rails, Mirrors, etc.

### GENERALLY.

Heating and Ventilating Schemes planned and executed.  
Copper Tubes, etc.  
Copper Sparge Pipes.  
Gas Coppers.  
Washing Coppers, etc. (Gas and Fuel)

Write for Catalogues of Gas Controllers, Sheet Metal Work, Stampings and Spinnings and Perforations.  
Also for Copper Sheets, Pipes, Bends, and Ornamental Copper Work.





ESTABLISHED 1834.

20 GOLD MEDALS  
and  
AWARDS.

Telegrams: "Geyser, London."

A B C Code. 5th Edition.

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India Office, Crown Agents for the Colonies, and the L.C.C., etc.

# EWART & SON Ltd.

346 348 350 Euston Road

LONDON N.W.

WORKS—LONDON AND LETCHWORTH.

MANUFACTURERS OF

GEYSERS, BOILERS, BATHS, RADIATORS, VENTILATORS, Etc.

Plain and Ornamental Copper and Zinc Roofing Contractors.

Sheet Metal and Ventilating Work of every description.

# Conditions of Sale.

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The Prices quoted are for delivery in London.

All Packing Cases are charged extra.

Delivery beyond the London Radius is at the cost of Purchaser and an extra charge is made if packed.

## Payment.

Remittances and Cheques are to be made payable to Ewart & Son Limited.

Accounts are net.

Purchasers are requested, unless having a ledger account, to give two references when placing orders.

The Prices in the catalogue are subject to Market fluctuations without notice.

## Guarantee.

All the goods are guaranteed to produce the results stated, provided the instructions sent with the apparatus are carried out.

When ordering, care should be taken to give the Catalogue Number, Name and Price.



# FOREWORD.

Established in 1834, our considerable experience in the manufacture of Geysers and Water Heaters has enabled us to produce a range of patterns suitable for all purposes, ensuring a maximum amount of water heated for gas consumed, durability of the machine, ease in operation and perfect safety in use.

The fact that considerably over 100,000 of our Geysers are in daily use throughout the country, giving entire satisfaction, is sufficient proof of their safety and convenience.

An unfortunate prejudice exists in some quarters against "Geysers," although it is a well-known fact that the number of accidents that have occurred from the use of badly-designed and cheap Geysers during the last twenty years will be found considerably less than that caused in any one severe winter through the bursting of cast iron circulating Kitchen Boilers.

Ewart's Geysers are carefully designed and tested, and are the outcome of many years' practical experience; they are fitted with many exclusive and special improvements, which are protected by Patents and Registrations and are not to be found in other Geysers or Water Heaters.

The quality of the workmanship and materials used have earned for Ewart's Geysers the highest reputation.

Each pattern is complete in all details, and produces the largest possible quantity of hot water for the smallest amount of gas burnt.

The Copper used in the manufacture of Ewart's Geysers is of heavy weight and of absolute purity without alloy. It is specially hardened in order to give greater durability.

The inner parts of Ewart's Geysers (with a few exceptions) are coated with pure tin. All the fittings, valves, taps, etc., are of brass and gun metal of the best quality.

Ewart's Geysers have been awarded 20 Gold Medals and Highest Awards at the principal Exhibitions in Great Britain, America, France, Holland, and other countries.

Their best recommendation, however, is the fact that there is such a large number in daily use, to the entire satisfaction of their owners.

When purchasing a Geyser, be careful to see that the name "EWART" appears on the label—it is a guarantee of excellence.

# Description of Geysers.

There are two distinct forms of Geysers :—

1. Geysers constructed on the " Sealed " System.
2. Geysers constructed on the " Open " System.

## The " Sealed " System.

Ewart's Geysers on the " Sealed " System produce a stream of boiling water within 90 seconds of lighting the gas.

The water does not come in contact with the fumes, and flows from the Geyser as pure as it enters.

The " Sealed " Chamber is the most costly to make, but is much stouter and stronger, and nearly twice the weight of metal is used in the construction.

The Water Chambers are carefully coated with pure tin and the water may be used to drink, or for cooking.

The " Sealed " System is generally found much more convenient and economical for general domestic use.

## The " Open " System.

In the " Open " System the fumes from the burnt gas come in direct contact with the water, hence it is not pure enough to drink.

In consequence of the saving in material and labour employed, the " Open " System Geyser is cheaper than the " Sealed " Pattern.

" Open " System Geysers are suitable to heat water up to 160° Fah. (Bath heat is 100° to 105°), but should not be used to obtain boiling water.

In districts where the water is very hard, " Open " System Geysers such as the " Champion " are most suitable and are to be recommended in preference to the " Sealed " System, as they do not " fur up " with the deposit of lime thrown down from the hard water ; as a set-off against this, however, it must be noted that the " Open " System does not contain the many advantages of the " Sealed " System.

# Explanation of Geysers.

Here are several types of Geysers manufactured, each type constructed to perform certain set

- A. " Ordinary " type heats a running stream of water, passing the hot water directly to bath or other vessel.
- B. " Automatic " Type delivers Hot Water under pressure and is so arranged that it may be obtained from several taps in various parts of the building.
- C. " Circulating " Type, constructed to heat water by Circulation to be contained in a Storage Cylinder or for heating Radiators, etc.
- D. " Gas " or " Fuel " Heated Types for use where gas is not available.



# Explanation of Geysers—*continued.*

## **"A," Ordinary Type—"Sealed" System.**

- THE "BRILLIANT"  
A small Geyser giving boiling water in 20 seconds. Specially useful in every house to provide quickly, small quantities of hot or boiling water. Much quicker than a gas stove.
- THE "VICTOR"  
An efficient heater for small baths, or where economy is a first consideration. Produces hot or boiling water.
- THE "ELITE"  
Specially for bath use, and fitted with hot or cold flexible shower.
- THE "LIGHTNING"  
The best Geyser for Domestic Services. Supplies hot or boiling water for bath or culinary use. Equally convenient in the bathroom or kitchen, or for use in Dairies for scalding, and in Hospitals, etc., etc.
- THE "EVER-READY" BOILER  
To provide Boiling water for Restaurant use, Kitchens, Cafés, etc., etc.

## **"A," Ordinary Type—"Open" System.**

- THE "TRIUMPH"  
A low-priced heater for those requiring the cheapest Geyser.
- THE "ROYAL"  
A more powerful heater than the "Triumph," but low in price.
- THE "CHAMPION"  
A powerful Geyser at medium price: very durable and of the simplest construction. Requires no water pressure.
- THE "SURPRISE"  
A very efficient Heater of simple construction. Requires good water pressure.

## **"B," The Automatic Type.**

- THE "SUPREME," "REGAL" and "VIVO"  
Specially useful for small flats, apartments, and where hot water is required to one other tap besides the bath.
- THE "CALIFONT"  
Delivers hot water to various taps in different parts of the building. Particularly useful in Flats, Apartment Houses, Hotels, Factories, and wherever hot water is required.

## **"C," Circulating Types.**

- THE "RADION" CIRCULATOR  
For heating hot water Cylinder or for Radiators in Hall, Workshops, Motor Garages, Conservatories, etc.
- THE "RADION" CYLINDER  
For Kitchen use (or where water pressure is very light). Holds a quantity of hot water for immediate use.

## **"D," Oil or Fuel-heated Types.**

- THE "VICTOR" OIL GEYSER  
Heated with ordinary Paraffin Oil.
- THE "L" PATTERN "SUCCESS" OIL GEYSER  
Heated with Paraffin Oil, a very powerful and durable Heater.
- THE "VICTOR" FUEL GEYSER  
Burning Wood or Coal.

WARNING.—Under no circumstances should Geysers made of galvanized iron be fitted. The first low cost will prove indeed very false economy.

# Description of Valve Attachments to Geysers.

## Locking Gear Taps.

A mechanical arrangement of the handle of the Gas and Water Taps, so "interlocking" that the gas tap may not be turned on until after the water tap has been opened—an excellent arrangement to prevent carelessness.

## Automatic Valve or Rotary Valve.

The Automatic Valve is actuated by the water flowing into the Geyser and allows the gas to light up only so long as the water passes into the Geyser. Directly the water is stopped (for any reason) the gas is shut down.

The Automatic Valve prevents all risk of accidents, and is greatly superior to the "Locking Gear" arrangement.

## Thermostatic or Heat Control Valves.

This type of valve shuts down the gas when the temperature of water in the heater has reached the degree of heat desired, *i.e.*, when fitted to the "Radion" Cylinder keeps the water in the Cylinder at a temperature of about 160° or may be regulated to suit requirements.

When water is drawn off from the Heater, the "Heat valve" opens the gas valve and allows the gas to burn full on until the desired heat is again obtained, when the gas is shut down.



# Information for Fixing Ewart's Geysers.

When fixing a Geyser it is of the utmost importance to see that the gas pipe is the full size required by directions.

If a smaller pipe is used, the Geyser will not give satisfaction.

The size of the gas pipes specified are the inside diameters, and are given after carefully testing. In no case must smaller pipes be used.

Where the gas pressure is low, pipes of larger sizes should be fitted.

## Gas and Water Supplies.

						Gas Supply.	Water Supply.
Geysers heating	1½	gallons	per	minute	require	..	1 in.
"	2	"	"	"	"	..	1 in.
"	3	"	"	"	"	..	1 in.
"	4	"	"	"	"	..	1 in.
"	6	"	"	"	"	..	1 in.
"	8	"	"	"	"	..	1 in.
"	10	"	"	"	"	..	1 in.
"	16	"	"	"	"	..	1 in.
" Radion	Cylinders	holding	10 to 20	gallons	..	..	1 in.
"	"	"	30 to 40	"	..	..	1 in.
" Radion	Circulators	heating	45	gallons	per hour	..	1 in.
"	"	"	100	"	"	..	1 in.
" Ever-Ready	"	Boiler	boiling	about	½ gallon	per minute	..
"	"	"	"	"	"	..	1 in.

## Water Supply.

Care should be taken to see that there is a sufficient Water Service.

Geysers with automatic valves such as the "Lightning" or "Royal" require a water pressure of not less than 5 lbs., *i.e.*, the bottom of the water cistern should be 10 ft. above the top of the Geyser.

If this water pressure is not obtainable the Geysers must be specially ordered with Rotary Valve.

Automatic Geysers, such as the "Califont" and "Supreme," require a water pressure of not less than 6 lbs., viz. 12 ft. above the top of the Geyser and the highest draw-off tap.

## Gas Meters.

A Geyser heating 2 gallons per minute requires a 10-light meter.

" " 3 " " " " 15 " "

" " 4 " " " " 20 " "

With Ewart's Geysers, 20 to 25 cubic ft. of gas (depending upon the Calorific value) will heat 30 gallons of water, raising the temperature 40° Fahr. above that of the cold supply, or from 60° to 100°.

## Ventilation.

The ventilating pipe with a good updraught must in every case be attached to the Geyser, and carried to discharge outside the bathroom. Geysers are dangerous in a small unventilated room.

**CAUTION.**—ALL GEYSERS OF WHATEVER MANUFACTURE AND HOWEVER HEATED (the white flame is safer than the bunsen burner) are unsafe without a ventilating pipe. Geysers must never be fixed without a vent pipe communicating with chimney or outside of Bathroom.

A FIXING CARD is issued with each Geyser, giving full instructions for the plumber, stating what size gas and water pipes are necessary.

We shall be pleased to send a fixing card post free on application, stating size and pattern Geyser for which the card is required.

# Recommendation.

When fixing a Geyser over a Bath, it should always be fixed at the foot end.

In certain circumstances if compelled to fix at the head end of the bath, the Geyser should be fixed in such a manner as to prevent the bather striking it on rising from the bath, or the dripping water from the spout dropping on to the bather.

The Automatic Geysers, viz., "Califont" and "Supreme" type, may be fixed in the basement, scullery or other convenient place.

If fixed in the bathroom they may be erected where the supplies are most easily run, and out of the way of the bather.

For a 5 ft. 6 in. bath a 2½ to 3-gallon Geyser should be used.

For smaller baths, a 2-gallon Geyser should be used.

For larger baths, a 4-gallon Geyser should be used.

For a bath and basin, a 3-gallon Automatic "Califont" or "Supreme" Geyser should be used.

For a bath and three other taps, an 8-gallon "Califont" should be used.

To heat a small hot water tank for ordinary house, a small "Radion" Circulator is generally found sufficient.

## Radiators.

A "Radion" Circulator, size "A," will heat about 8 four-section, 2-column Radiators, each about 14 ft. heating surface or 150 ft. of 2 in. pipe.

A "Radion" Circulator, size "B," will heat about 20 four-section, 2-column Radiators, or about 750 ft. of 2 in. pipe.

## Temperatures of Hot Water.

To give a hot bath average 98° with a 5 ft. cast iron bath in about 15 minutes, a 2-gallon Geyser is required.

To give a bath average 98° with a 5 ft. 6 in. bath a 3-gallon Geyser is required.

To give a hot bath average 98° with a larger bath, a 4-gallon Geyser is required.

If a hotter bath is required than the average, i.e., about 105° for a small bath, a 3-gallon Geyser is necessary.

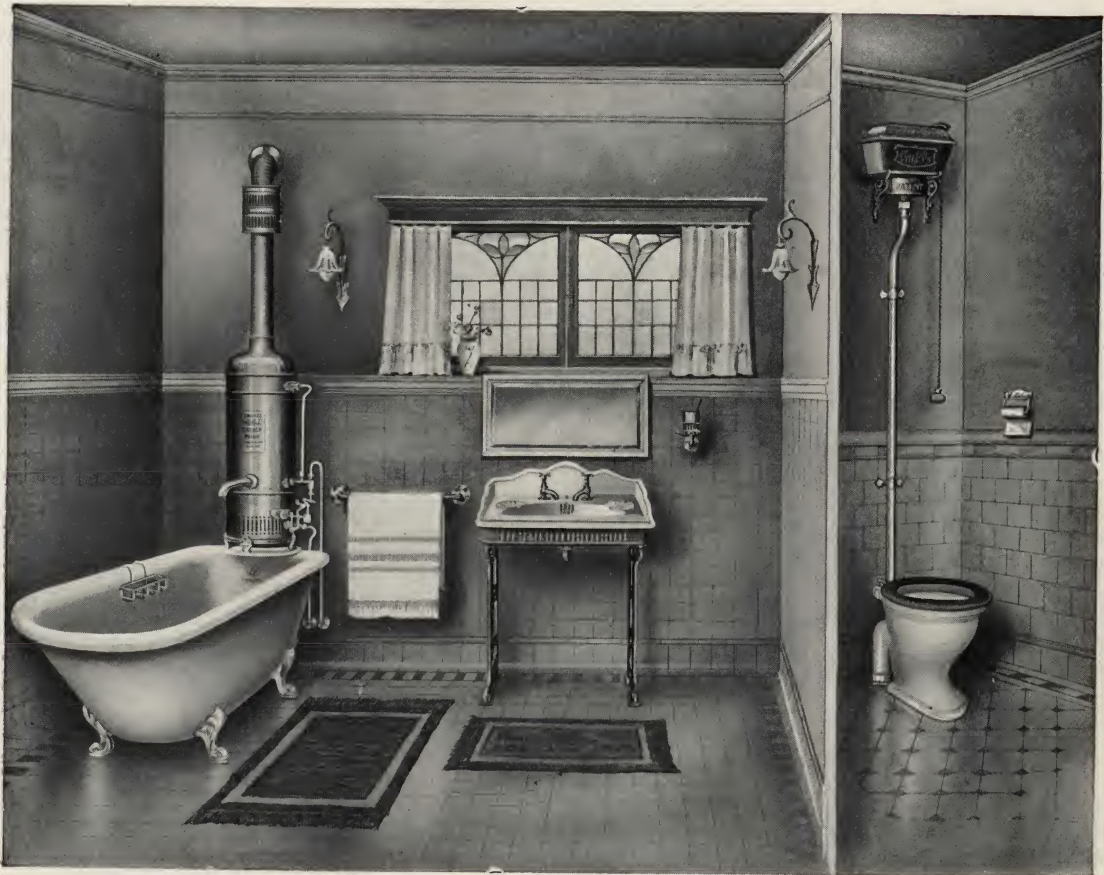
The average cost for gas, to obtain a hot bath, is ¾d. with gas at a cost of 3/- per 1,000 cubic feet.



# Ewart's Bathroom.

Design No. 1.

A good Bathroom at a low cost.



## DETAILS.

	£	s.	d.
Ewart's Cast Iron "Princess" Bath, Taper-sided, best white porcelain enamelled inside and on roll, with enamelled table to carry Geyser, 5 ft. 6 in. .. .. .	5	5	0
Ewart's No. 2 "Royal" Geyser, fitted with safety interlocking taps, capacity 2½ to 3 gallons per minute .. .. .	4	3	0
Ewart's "Cadens" Earthenware Lavatory Basin on cast-iron frame and stand, with brass hot and cold taps and plug waste .. .. .	2	4	0
Ewart's No. 2 white glazed Earthenware Pedestal Closet, with cistern and bracket .. .. .	2	17	6
Ewart's Bevelled-edge Mirror, in white enamelled frame, 29 in. x 14 in. .. .. .	0	16	0
Ewart's No. 45 Nickel-plated brass Sponge and Soap Holder .. .. .	0	7	4
Ewart's No. 74 Nickel-plated brass Toilet Paper Holder .. .. .	0	1	6
Ewart's No. 5 Nickel-plated brass Towel Rail, 24 in. .. .. .	0	4	6
Ewart's No. 84 Nickel-plated brass Tooth-brush and Tumbler Holder .. .. .	0	5	0

£16 3 10



# Ewart's Bathroom.

Design No. 2.

Comfort and Efficiency with Economy.



## DETAILS.

	£	s.	d.
Ewart's No. 6 Cast Iron best white porcelain enamelled taper-sided Bath, 5 ft. 6 in. long inside, with enamelled table to carry Geyser .. .. .	5	5	0
Ewart's "O" size "Champion" Geyser, with Automatic valve, capacity 3 gallons per minute .. .. .	7	2	6
Ewart's No. 1 "Fons" Earthenware Lavatory on cast iron frame and brackets, with brass taps, &c. .. .. .	1	18	0
Ewart's No. 2 white glazed Earthenware Pedestal Closet, with cistern and brackets, chain pull, mahogany seat and cover .. .. .	3	12	6
Ewart's Bevelled-edge Mirror in white enamelled frame, 31 in. x 16 in. .. .. .	0	18	6
Ewart's "Comfort" Bath Seat .. .. .	0	7	6
Ewart's No. 1 Nickel-plated brass Toilet Paper Holder .. .. .	0	4	2
Ewart's No. 1 Nickel-plated brass Towel Rail, 24 in long .. .. .	0	4	6
Ewart's No. 1 Nickel-plated brass Robe Hook .. .. .	0	1	10
Ewart's No. 84 Nickel-plated brass Tumbler and Tooth-brush Holder .. .. .	0	5	0
Ewart's No. 45 Nickel-plated brass Soap and Sponge Holder .. .. .	0	7	4
Ewart's No. 225 Nickel-plated brass Match Holder .. .. .	0	2	9
Ewart's No. 151 Nickel-plated brass Soap Dish .. .. .	0	7	9
Ewart's No. 165 Nickel-plated brass Toilet Brush Holder .. .. .	0	8	3
	<b>£21</b>	<b>5</b>	<b>7</b>



# Ewart's Bathroom.

Design No. 3.

Elegance and Efficiency combined with Economy.



## DETAILS.

	£	s.	d.
Ewart's No. 110 Cast Iron parallel-sided finest white porcelain enamelled Bath, with enamelled table for Geyser; 5 ft. 6 in. inside .. .. .	6	11	6
Ewart's No. 2 "Lightning" Geyser, capacity 3 gallons per minute, with automatic valve .. .. .	9	9	0
Ewart's "Imperial" Earthenware Lavatory, 27 in. x 19 in., mounted on nickel-plated brass stand, with hot and cold taps and plug waste .. .. .	3	17	6
Ewart's "Eclipse" Hot Water Towel-Airer: gas heated .. .. .	3	10	0
Ewart's No. 4 white glazed Pedestal Closet, with galvanized cistern, brackets and chain pull, mahogany seat and cover .. .. .	4	2	6
Ewart's Bevelled-edge Mirror in white enamelled frame, 36 in. x 24 in. .. .. .	1	7	6
Ewart's Bevelled-edge Oval Mirror in white enamelled frame, 20 in. x 14 in. .. .. .	1	0	6
Ewart's "Desirable" Bath Seat .. .. .	0	10	6
Ewart's No. 127 Plate Glass Shelf on nickel-plated brass brackets .. .. .	0	17	3
Ewart's No. 165 Nickel-plated brass Brush Holder .. .. .	0	8	3
Ewart's No. 151 Nickel-plated brass Soap Holder, with china container .. .. .	0	7	9
Ewart's No. 66 Nickel-plated brass Tumbler and Tooth-brush Holder .. .. .	0	10	0
Ewart's No. 64 Nickel-plated brass Match Holder .. .. .	0	3	3
Ewart's No. 45 Nickel-plated brass Sponge and Soap Holder .. .. .	0	7	4
Ewart's No. 15 Nickel-plated brass Towel Rail, with glass bar, 24 in. long .. .. .	0	10	0
Ewart's No. 42 Nickel-plated brass Toilet Paper Holder .. .. .	0	4	2

£33 17 0



# Ewart's Bathroom.

Design No. 4.

Luxury and Efficiency at a moderate cost.



## DETAILS.

	£	s.	d.
Ewart's "Euston" Bath of Cast Iron, enamelled finest white porcelain inside, with hot and cold taps, self-cleansing standing quick waste, 5 ft. 6 in. long inside .. .. .	10	0	0
Ewart's No. 42B "Califont" Water Heater, capacity 3 gallons per minute .. .. .	12	12	0
Ewart's "Euston" Towel Airer, gas heated, nickel-plated brass .. .. .	6	16	0
Ewart's No. 4A Pedestal Closet, in best quality vitro-porcelain, fitted with brass flush pipe, galvanized cistern on brackets, chain pull, mahogany seat and cover .. .. .	4	17	6
Ewart's No. 122 Lavatory, 27 in. x 19 in., porcelain top mounted on cast iron stand, best white porcelain enamelled, fitted with brass hot and cold taps, and plug waste .. .. .	7	5	0
If stand painted instead of porcelain enamelled, £2 2 0 less.			
Ewart's Bevelled-edge Mirror, in white enamelled frame, 31 in. x 16 in. .. .. .	0	18	6
Ewart's Bevelled-edge Oval Mirror, in white enamelled frame, 24 in. x 18 in. .. .. .	1	6	6
Ewart's No. 15 Nickel-plated brass Towel Rail, with glass bar, 24 in. .. .. .	0	10	0
Ewart's No. 4 Nickel-plated brass Sponge and Soap Holder .. .. .	0	7	4
Ewart's No. 151 Nickel-plated brass Soap Holder, with china container .. .. .	0	7	9
Ewart's No. 84 Nickel-plated brass Tumbler and Tooth-brush Holder .. .. .	0	5	0
Ewart's No. 127 Plate Glass Shelf, 24 in. long, on nickel-plated brass brackets .. .. .	0	17	3
Ewart's No. 52 Nickel-plated brass Robe Hook .. .. .	0	1	10
Ewart's No. 37 Nickel-plated brass Toilet Paper Holder .. .. .	0	7	4
Ewart's No. 225 Nickel-plated Match Holder .. .. .	0	2	9
Ewart's "Desirable" Bath Seat .. .. .	0	10	6
	£47	5	3



# Ewart's Bathroom.

Design No. 5.

A really luxurious Bathroom.



## DETAILS.

Ewart's "Moncrieff" Spray Bath : Bath of Cast Iron, finest white porcelain enamelled inside, Spray Canopy of Zinc, enamelled best finish white, with nickel-plated shower and fittings	£	s.	d.
Ewart's No. 45B "Califont" Water Heater, capacity 8 gallons per minute .. .. .	27	10	0
Ewart's No. 120 Improved Fireclay Lavatory, finished with finest white porcelain with nickel-plated brass fittings .. .. .	27	6	0
Ewart's No. 4B Pedestal Closet, in best white vitro-porcelain, with nickel-plated brass flush pipe and brackets, 2 gallon white glazed fireclay cistern and nickel-plated chain pull and handle	8	10	0
Ewart's No. 110 "Sitz" Bath in Cast Iron, inside enamelled finest white porcelain with "Grafton" supply fittings and self-cleansing standing quick waste, all in brass, heavily nickel-plated	8	9	0
Ewart's "Euston" Towel Ainer, gas heated, Nickel-plated brass .. .. .	13	0	0
Ewart's No. 76 Nickel-plated brass Soiled-Towel Basket .. .. .	6	16	0
Ewart's No. 127 Plate Glass Shelf on nickel-plated brass brackets .. .. .	2	1	6
Ewart's No. 151 Nickel-plated brass Soap Dish, with china container .. .. .	0	17	3
Ewart's No. 38 Nickel-plated brass Toilet Paper Holder .. .. .	0	7	9
Ewart's No. 52 Nickel-plated brass Robe Hook .. .. .	0	13	9
Ewart's No. 109 Nickel-plated brass Folding Towel Rack, 3 bars .. .. .	0	1	10
Ewart's No. 165 Nickel-plated brass Brush Rack .. .. .	0	12	0
Ewart's Bevelled-edge Mirror, in white enamelled frame, 36 in. x 24 in. .. .. .	0	8	3
Ewart's Bevelled-edge Oval Mirror, in white enamelled frame, 24 in. x 18 in. .. .. .	1	7	6
Ewart's Bathroom Chair, white enamelled, with removable cork seat .. .. .	1	6	6
Ewart's Cork Mat .. .. .	1	10	0
	0	10	6

**£101 7 10**



# Ewart's "Lightning" Geyser.

Patented.

Registered.

## "Sealed" System.

The "Lightning" Geyser is the Standard Pattern for all Geysers.

Purchasers will be repaid many times over for the slight extra cost incurred in selecting this pattern, the quality of the material used and the care employed in the manufacture give the greatest possible durability, efficiency and economy in working.

The "Lightning" Geyser is fitted with an automatic valve so constructed that the inflowing water controls the supply of gas, and prevents damage to the Geyser through the gas being left on without water running.

When the water is flowing the gas is fully alight. Immediately the flow of water ceases, the gas is shut down to a small pilot flame.

The burner swings out for safety in lighting.

With the exception of the No. 4 size, a union is fitted from which a second supply may be taken to a lavatory basin, which is in many cases of great advantage.

Boiling water may be obtained within 90 seconds.

Ewart's "Lightning" Geyser is made throughout of hardened Copper, carefully coated with pure Tin inside, and is supplied complete with taps and bent unions ready for connection to the pipes.

When desired a shower can be fitted and the interior parts strengthened to withstand the increased pressure.

The extra cost of fitting the shower or douche is £2 10s. 0d.

If fitted with both shower and douche, £4 0s. 0d. extra.

Complete with gas and water taps and unions ready for fixing.

## Sizes and Prices with Patent Automatic "Dual" Valve.

List No.	*Heats. Gallons per min.	Boils. Quarts per min.	Diameter. inches.	Height. inches.	Weight. lbs.	Price. £ s. d.	If fitted with Atmospheric Burner.	
							Nickel-plated. £ s. d.	£ s. d.
4 D ..	1½ ..	1½ ..	8½ ..	26 ..	23 ..	5 5 0 ..	6 0 0 ..	6 5 0
3 D ..	2 ..	2 ..	10 ..	27 ..	30 ..	7 7 0 ..	8 5 6 ..	8 7 0
2 D ..	3 ..	3 ..	12 ..	30 ..	42 ..	9 9 0 ..	10 12 0 ..	10 19 0
1 D ..	4 ..	4 ..	13 ..	35 ..	57 ..	11 11 0 ..	12 17 0 ..	13 1 0
0 D ..	8 ..	8 ..	17 ..	39 ..	— ..	20 10 0 ..	22 7 6 ..	22 10 0
10 D ..	16 ..	16 ..	26 ..	60 ..	— ..	52 10 0 ..	56 5 0 ..	55 0 0

For Black Enamelled Strong Cast-Iron Shelf and Bracket—For No. 4D size "Lightning" Geyser, 3/6; for No. 3D size, 4/-; for No. 2D size, 5/-; for No. 1D size, 6/-.

For White Porcelain Enamelled Strong Cast-Iron Shelf and Bracket—For No. 3D size "Lightning" Geyser, 8/6; for No. 2D size, 9/6; for No. 1D size, 10/6.

**\*NOTE.**—The temperature of the water flowing at the above rates per minute is raised 40° Fahr. above that of the cold supply, or from 60° to 100° Fahr.

The temperature may be increased or diminished according to the size of the stream.

For sizes of gas and water supply pipes, see page 7.



# Ewart's "Lightning" Geyser.

Patented.

With "Dual" Valve.

Registered.



Hot Water Instantly  
Night or Day.

Where the "Lightning Geyser" is supplied from a cistern less than 8 feet above the Geyser, it should be ordered with "Rotary" Valve.

Geysers always sent right-handed, as illustrated, unless otherwise ordered.

**NOTE.**—The "Lightning" Geyser is so arranged that it will also supply hot water to lavatory basin (No. 4 size excepted).

Where a direct connection for the cold water supply is taken from the main, we have introduced an adaptation of the "Dual" Valve, which has been arranged to meet the Water Co.'s requirements, which will not allow a direct connection between the water main and the Geyser. Where the Geyser is to be fitted in this manner, when ordering please state with "Rotary Valve."

# Ewart's "Lightning" Geyser.

Patented.

Registered.

Hot Water Instantly Night or Day in any quantity required.



The illustration shows one of Ewart's "O" size "Lightning" Geysers supplying hot water at the rate of 8 gallons per minute to Plunge Tank.

Dimensions :—about 6 ft. 6 in. long by 4 ft. 6 in. wide by 3 ft. deep, with a capacity of about 350 gallons.

The size of the tank can be varied to suit requirements.

**The most convenient method to obtain hot water at low cost.**



# Ewart's "Lightning" Geyser.

With "Rotary" Valve.

Patented.

"Sealed" System.

Registered.

(Ewart's Patent No. 9749 of 1902.)



Made with "Rotary" Valve on right or left hand, but always sent right-handed, as illustrated, unless ordered otherwise.

The "Lightning" Geyser with "Rotary" Valve is an adaptation of the "Lightning" Geyser with "Dual" Valve (see pages 14 and 15), but is arranged to meet the requirements of those Water Companies who will not allow a direct connection between their water main and a Geyser. The "Lightning" Geyser with "Rotary" Valve is so constructed that the water only requires to run into the machine from a tap or pipe fixed an inch or two above it. The Patent "Rotary" Valve is made throughout of metal. The "revolving" motion on which it is constructed entails much less friction than the "up-and-down" movement with which all Geyser valves have hitherto been made, therefore the wear and tear on the working parts is considerably less, and the Valve is consequently more reliable and durable.

The "Lightning" Geyser is made with "Sealed" chambers and with swing-out safety burner.

For prices and full particulars and description, see page 14.

# Ewart's "Lightning" Shower Geyser.

With Patent Automatic Valve.

Patented.

"Sealed" System.

Registered.



- A.—Brass Shower Arm and Rose supplying either hot, cold or tepid shower.
- B.—Supply to Shower, any height required.
- C.—Three-way cock admitting water from Geyser to supply either Shower or Douche.
- D.—Armoured Hose pipe fitted with jet or spray for Shampoo, for application of hot or cold water to any part of the body.
- E.—Supply to Bath.
- F.—Union for cold water supply.
- G.—Union for gas supply.
- H.—Patent "Dual" Valve.
- J.—Condensation drip union for connection to waste pipe.
- L.—Socket for vent pipe.

Made with "Dual" Valve on right or left hand, but always sent right-handed, as illustrated, unless ordered otherwise.

For prices and particulars and full description, see page 14.



# Ewart's "Elite" Geyser.

With Patent Automatic Gas Valve.

Patented.

"Sealed" System.

Registered.

Warm or Tepid Shampoo

and

Hot supply to Bath.



The sense of pleasure and animation conceived by those who use a Shampoo on rising in the morning or retiring at night, has but to be appreciated to create the desire to obtain it regularly in one's own house.

Ewart's "Elite" Geyser installed in the bathroom provides this luxury without the trouble of visiting the hairdresser.

By merely turning a tap, warm or hot water is instantly produced, which may be directed at will either into the bath or through the shower, and which may be had at any temperature from cold to hot or tepid to cold.

Ewart's "Elite" Geyser is made of stout gauge specially hardened Copper, with a cast iron burner, and fitted with a Patent Automatic Gas Valve which prevents the gas being fully alight unless water is actually passing through the Geyser.

Complete with gas tap, water tap and unions, all brass work, of best quality. The outside is highly polished and lacquered.

## Sizes and Prices, complete with Automatic Valve and Shower.

List No.	Heats per minute.	Diameter. inches.	Height. inches.	Gas supply inside diam. inches.	Water supply. inches.	Prices. £ s. d.
1	2½ galls.	10	28	5/8 or 3/4	1/2	6 6 0
2	4 galls.	14½	36	1	3/4	11 11 0

The temperature of the water flowing at the above rates per minute is raised 40° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of the stream.

# The "Victor" Geyser.

Patented.

"Sealed" System.

Low Price.

Registered.

The "Victor" Geyser is constructed (with the exception of the burner) of stout hardened Copper, the water chambers are sealed from contact with the gas fumes and carefully coated with pure tin, therefore the water is not contaminated in any way in passing through the geyser, but issues from the spout as fresh and pure as it enters. Being constructed on the "Sealed" system, the geyser will produce boiling water (fit for drinking or cooking purposes) as well as simply hot water for bath use.

The "Victor" Geyser works equally well with low or high water pressure, and may therefore be fixed in any position.

The Interlocking Taps fitted to the "Victor" Geyser prevent the gas tap being opened before the water tap is turned on, and the water tap being shut off while the gas is alight.

To ensure safety in lighting, the "Victor" Geyser is fitted with Patented and Registered safety gas tap and deflecting flange. These devices ensure safety and simplicity in use, and prevent explosion.

The water tap is of the screw-down pattern, and the Interlocking Fitting is finished in polished brass lacquered.

## Prices.

List No.		Heats per minute. gallons.	Boils per minute. quarts.	Diameter. inches.	Height. inches.	Total Weight. lbs.	Price. including safety gas tap. £ s. d.
1	With Ornamental Bracket	2 $\frac{1}{2}$	2	10 $\frac{1}{2}$	30	26	2 17 6
2	Mounted on 3 feet	2 $\frac{1}{2}$	2	10 $\frac{1}{2}$	30	26	2 17 6
24	With Ornamental Bracket	4	4	13 $\frac{1}{2}$	39	47	6 7 6
25	Mounted on 3 feet	4	4	13 $\frac{1}{2}$	39	47	6 7 6

## Prices with Interlocking Gas and Water Taps to prevent the gas being turned on before water tap.

List No.		Heats per minute. gallons.	Boils per minute. quarts.	Diameter. inches.	Height. inches.	Total Weight. lbs.	Price. including safety interlocking gas and water taps. £ s. d.
1 L.G.	With Ornamental Bracket	2 $\frac{1}{2}$	2	10 $\frac{1}{2}$	30	28	3 7 0
2 L.G.	Mounted on 3 feet	2 $\frac{1}{2}$	2	10 $\frac{1}{2}$	30	28	3 7 0
24 L.G.	With Ornamental Bracket	4	4	13 $\frac{1}{2}$	39	49	6 17 6
25 L.G.	Mounted on 3 feet	4	4	13 $\frac{1}{2}$	39	49	6 17 6

## Prices with Improved Automatic Valve made entirely of metal, and no perishable parts.

List No.		Heats per minute. gallons.	Boils per minute. quarts.	Diameter. inches.	Height. inches.	Total Weight. lbs.	Price. including improved automatic valve. £ s. d.
1 A.V.	With Ornamental Bracket	2 $\frac{1}{2}$	2	10 $\frac{1}{2}$	30	29	4 7 6
2 A.V.	Mounted on 3 feet	2 $\frac{1}{2}$	2	10 $\frac{1}{2}$	30	29	4 7 6
24 A.V.	With Ornamental Bracket	4	4	13 $\frac{1}{2}$	39	50	7 19 6
25 A.V.	Mounted on 3 feet	4	4	13 $\frac{1}{2}$	39	50	7 19 6

Note.—These Geysers are fitted with connection for Lavatory Basin.

The above prices are for Geysers finished bright polished Copper, lacquered outside. The "Victor" Geyser can be supplied nickel-plated outside at an extra cost of 7/6 each for the 2 $\frac{1}{2}$  gallon size Geysers and 13/6 each for the 4 gallon size Geysers.

The temperature of the water flowing at the above rates per minute is raised 40° Fahr. above that of the cold supply, or from 60° to 100°.

The temperature may be increased or diminished according to the size of the stream.

For sizes of gas and water supply pipes, see page 7.



# The "Victor" Geyser.

"Sealed" System.

Patented. Registered.



Design No. 2. With Feet.



Design No. 3LG.  
With Stand.



Design No. 2LG.  
With Feet.



Design No. 1LG.  
With Bracket.



Design No. 2AV.  
With Feet.

Extra for Floor Stand.

No. 1 (small size), 5/-

No. 24 (large size), 7/-

Made with taps on right or left-hand side, but always sent right-handed unless ordered otherwise.

# Ewart's "Surprise" Geyser.

"Open" System.

Patented.

A powerful, low-priced water heater, with swing-out burner, made entirely of Copper, the inside parts coated with pure tin.

The "Surprise" Geyser requires a water pressure of not less than 5 lbs.; the bottom of the cistern must be at least 10 ft. above the top of the geyser.

## Prices.

**No. 30.** Diameter, 9½ ins. Height, 28 ins.

To heat 2 gallons per minute.

No.		Weight. lbs.	Polished Copper. £ s. d.	Nickel- plated. £ s. d.
30B	With separate gas and water taps .. ..	20	3 13 6	4 9 0
30L	With safety interlocking gas and water taps .. ..	22	4 9 6	5 7 0
30D	With safety automatic valve .. ..	22	5 5 0	6 3 6

**No. 50.** Diameter, 12 ins. Height, 34 ins.

To heat 4 gallons per minute.

No.		Weight. lbs.	Polished Copper. £ s. d.	Nickel- plated. £ s. d.
50B	With separate gas and water taps .. ..	30	6 16 6	7 16 6
50L	With safety interlocking gas and water taps .. ..	32	7 12 6	8 14 0
50D	With safety automatic valve .. ..	32½	8 8 0	9 11 6



Illustration showing  
Safety Automatic Valve,

Geyser sent right-handed, as illustrated,  
unless otherwise ordered.

The temperature of the water flowing at the above rates per minute is raised 40° Fahr. above that of the cold supply, or from 60° Fahr. to 100° Fahr.

The temperature may be increased or diminished according to the size of the stream.

For sizes of gas and water supply pipes, see page 7.



# Ewart's "Champion" Geyser.

"Open System."

Patented.

The "Champion" Geyser is made entirely of stout sheet Copper.

The inside parts are carefully coated with pure tin; the exterior highly polished and lacquered.

The "Champion" Geyser is fitted with improved swing-out copper burner, ensuring safety in lighting.

The "Champion" Geyser is specially suitable for districts where the water is very hard, as the patented construction prevents furring and all risk of explosion from frost, there being no small springs or chambers of any kind to get out of order, and is particularly suited for heating sea water.

The "Champion" Geyser will work equally well with or without water pressure.

At slight extra cost, improved "interlocking" gas and screw-down water taps of best quality may be supplied, so arranged that the gas tap cannot be turned on before the water tap is opened.

The Automatic "Rotary" Valve, that turns down the gas when the water for any reason ceases to flow into the Geyser, may be fitted, and the addition of this patent "Rotary" Valve, constructed throughout of metal and most durable, is strongly recommended. It greatly enhances the life of the Geyser and prevents risk of accident or damage through failure of the water supply.

**Note.**—When desired, a special fitting to the spout is supplied, enabling a second supply to be taken to a lavatory basin, at an extra cost of 7/6 to the price of the "I," "O," and "U" sizes.



Geysers always sent right-handed, as illustrated, unless otherwise ordered.

## Sizes and Prices.

List No.	Heats per minute. gallons.	Diameter. ins.	Height. ins.	Weight. lbs.	Not including cold water tap. £ s. d.	With patent interlocking gas and water taps. £ s. d.	With patent automatic "Rotary" Valve. £ s. d.
I	2	10½	26½	20	4 4 0	5 0 0	5 15 0
O	3	12	32	27	5 10 0	6 5 0	7 2 6
U	4	14	35	36	7 2 6	7 17 6	8 15 0
X	8	20	48	—	18 10 0	21 0 0	22 10 0

Nickel-plated, extra to the above prices :

Size I, 16/-

Size O, 18/6

Size U, 27/-

Size X, 55/-

**Extra.**—For Black Enamelled Strong Cast-Iron Shelf and Bracket—For "I" size "Champion" Geyser, 4/-; for "O" size, 5/-; for "U" size, 6/-

For White Porcelain Enamelled Strong Cast-Iron Shelf and Bracket—For "I" size "Champion" Geyser, 8/6; for "O" size, 9/6; for "U" size, 10/6

The temperature of the water flowing at the above rates per minute is raised 40° Fahr. above that of the cold supply, or from 60° Fahr. to 100° Fahr.

The temperature may be increased or diminished according to the size of the stream.

For sizes of gas and water supply pipes, see page 7.

# Ewart's "Triumph" Geyser.

Patented.

Registered.

"Open System."

Very Low Price.

Ewart's "Triumph" Geyser is admirably constructed for obtaining the best possible results with the least initial cost and the smallest outlay afterwards, either for gas consumed, or cleaning or for repairs.

The "Triumph" is made (with the exception of the burner) of stout hardened copper throughout, the outside bright polished and lacquered; the fittings of polished brass.

Unlike other "Open" Geysers, the chambers always remain full of water, the internal parts are therefore not easily damaged if the gas is accidentally lit for a minute or two before the water is turned on, and it will produce actually boiling water.

The "Triumph" Geyser has no small chambers, tubes, coiled wires or other parts that may become choked or furred. The Geyser is therefore specially suitable for use with very hard water or rain water, which is apt to contain dirt or grit.

The "Triumph" Geyser requires no direct connection with the water main, but works equally well with low or high water pressure.

To ensure safety in lighting, all the "Triumph" Geysers are fitted with Patented and Registered Safety Gas Tap and with Patented and Registered Safety Deflecting Flange. These Patented Safety devices prevent any explosion in lighting, and no Geyser with a fixed burner is really safe without these valuable attachments.

## Sizes and Prices.

List No.		Heats per minute.	Diameter, inches.	Height, inches.	Gas supply, inside diam. inches.	Price, including safety gas tap. £ s. d.
6	With Ornamental Bracket.	2 galls. ..	10	27	5/8	2 12 6
7	Mounted on 3 feet.	2 galls. ..	10	27	5/8	2 12 6
8	With Artistic Floor-Stand.	2 galls. ..	10	27	5/8	2 17 6
9	With Ornamental Bracket.	4 galls. ..	13 1/2	33	1	4 12 6
10	Mounted on 3 feet.	4 galls. ..	13 1/2	33	1	4 12 6
11	With Artistic Floor-Stand	4 galls. ..	13 1/2	33	1	4 19 6

## Sizes and Prices with Interlocking Gas and Water Taps.

List No.		Heats per minute.	Diameter, inches.	Height, inches.	Gas supply, inside diam. inches.	Price, including interlocking gas and water taps. £ s. d.
6 L.G.	With Ornamental Bracket.	2 galls. ..	10	27	5/8	3 2 0
7 L.G.	Mounted on 3 feet.	2 galls. ..	10	27	5/8	3 2 0
8 L.G.	With Artistic Floor-Stand.	2 galls. ..	10	27	5/8	3 7 0
9 L.G.	With Ornamental Bracket.	4 galls. ..	13 1/2	33	1	5 2 6
10 L.G.	Mounted on 3 feet.	4 galls. ..	13 1/2	33	1	5 2 6
11 L.G.	With Artistic Floor-Stand.	4 galls. ..	13 1/2	33	1	5 9 6

The "Triumph" Geyser may be supplied nickel-plated at an extra cost of 7/6 each for the 2 gallon size, and 13/6 for the 4 gallon size.

The temperature of the water flowing at the above rates per minute is raised 40° Fahrenheit above that of the cold supply. The temperature may be increased or diminished according to the size of the stream.

For sizes of Ventilating Pipes, see page 67.



Registered. Ewart's "Triumph" Geyser. Patented.

"Open" System.

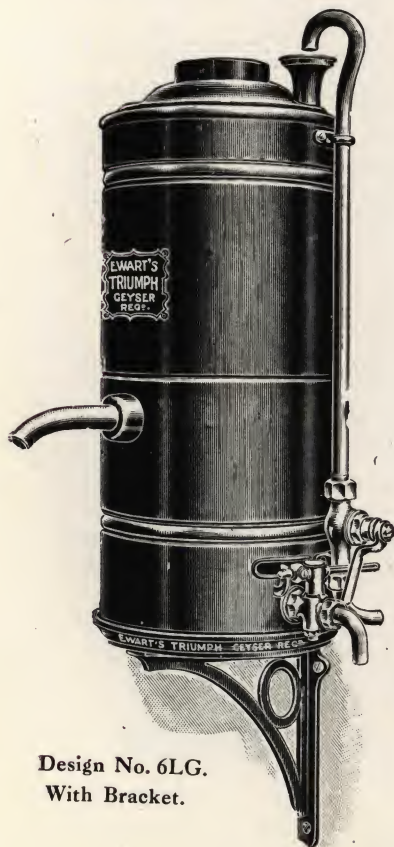
VERY LOW PRICE.



Design No. 7. With Feet.



Design No. 7LG. With Feet.



Design No. 6LG.  
With Bracket.



Design No. 11LG. With Stand.



Design No. 6.  
With Bracket.

Made with Gas Tap and Water Inlet on right or left hand, but always sent right-handed, as illustrated, unless ordered otherwise.



# Ewart's "Royal" Geyser.

"Open" System.

Patented.

Ewart's "Royal" Geyser, with the exception of the burner is made entirely of stout Copper.

The inside water-ways are coated with pure tin, the exterior highly polished and lacquered.

To prevent risk of accidents in lighting, the pilot light is fitted with a Patented and Registered Safety Gas Tap and Lock, which prevents the gas tap being opened before the pilot light is turned on.

At a slightly additional cost the "Royal" Geyser may be fitted with patent "interlocking" taps, to prevent the gas being turned on unless the water tap is open, and the water tap turned off before the gas tap is closed.

The patent construction of the "Royal" Geyser renders it suitable for use with hard water, and is not affected by lime deposit or fur, and there is nothing to get out of order.

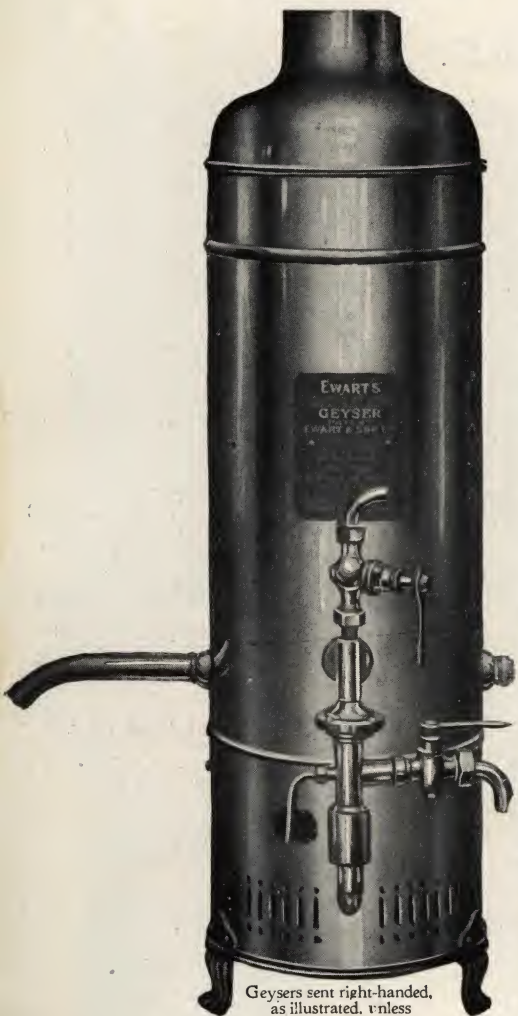
It will work efficiently with either low or high water pressure.

The illustration shows the "Royal" Geyser fitted with Patent Automatic Self-closing Gas Valve.

The "Royal" Geyser is produced to meet the demand for a cheap reliable Geyser to supply hot water for bath or washing purposes.

To reduce the price, it is sold with a fixed burner, but a safety swing-out Copper burner is strongly recommended, and should be fitted wherever the additional cost is not prohibitive.

The addition of the Patent Automatic Self-Closing Gas Valve, which turns down the gas when the water for any reason ceases to flow into the Geyser, is strongly recommended; it greatly enhances the life of the Geyser and prevents risk of accident.



Geysers sent right-handed, as illustrated, unless otherwise ordered.

## Sizes and Prices.

List No.	Heats-Galls. per minute.	Height, inches.	Diameter, inches.	Weight, lbs.	Price, not including Cold Water Tap.			With Patent Interlocking Gas and Water Taps.			With Patent Automatic Dual Valve.			With Patent Automatic "Rotary" Valve.		
					£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	2 to 2½	32	10	19	3	2	6	3	13	0	4	5	0	4	15	0
2	2½ to 3	37	11	25	3	12	6	4	3	0	4	17	6	5	7	6

The above prices include the gas tap and union and the safety lock to the pilot light to prevent the gas tap being opened before the pilot light is turned on.

The Patent "Rotary" Valve has been arranged to meet the requirements of the Water Companies who will not allow direct connection to be made with the main, and for use in positions where water pressure is not obtainable.

Extra to the above prices if Nickel-plated ..

No. 1

£ s. d.  
0 14 6

"

Safety Swing-out Copper Burner (either size) ..

No. 2

0 16 6

1 1 0

The temperature of the water flowing at the above rates per minute is raised 40° Fahr. above that of the cold supply, or from 60° Fahr. to 100° Fahr.

The temperature may be increased or diminished according to the size of the stream.

For sizes of gas and water supply pipes, see page 7.



# Ewart's Lavatory Geysers.

## The "Gem" Geyser.

### Automatic in Action.

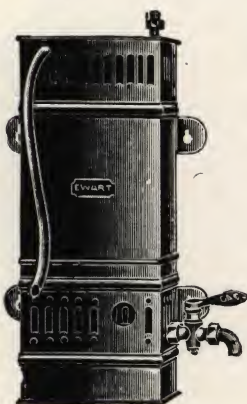
Made throughout of stout hardened Copper, complete with automatic valve which prevents injury, lowering the gas automatically whenever the water is turned off.

The small pilot light may be left burning, and it is then only necessary to open the hot water tap to obtain an instant supply of hot or boiling water, the one action automatically lighting the gas fully up at the same time.

The "Gem" is complete in itself, formed on bracket ready for screwing to wall, and is supplied either with or without shampooing rose, as illustrated.

### Dimensions and Prices.

Diameter	Height	Gas Supply			
7 in.	16 ins.	$\frac{1}{2}$ inch.			
Without sham-			£	s.	d.
pooing rose	..		4	4	0
Nickel-plated			4	16	0
With shampooing					
rose, as illustrated			5	10	0
Nickel-plated			6	2	6



Made in one size only.

## The "Garnet."

The "Garnet" Lavatory Geyser is not intended to warm a bath. It is suitable for bedrooms and lavatories only.

Although so small and inexpensive, it produces good results, warming two quarts per minute.

Constructed throughout of stout hardened Copper, bright polished and lacquered on the exterior, tinned inside.

This pattern Lavatory Geyser will be found especially useful for warming a child's bath or sponge bath.

			Prices.			
Width.	Depth.	Height.	Gas supply.		Lacquered Copper.	Nickel-plated
5½ ins.	3 ins.	16 ins.	$\frac{1}{2}$ inch.	..	£ s. d.	£ s. d.
					1 11 6	2 0 0

If fitted with pilot light, which may be left burning ready for use when next required, 8/- extra.

The temperature of the water flowing at the above rates per minute is raised 40 degrees Fahrenheit above that of the cold supply. It may be increased or diminished according to the size of the stream.



# Ewart's Lavatory Geyser.

Patented.

Registered.

## The "Brilliant."



Without Shampoo.

Copper ..	£1 11 6
Nickel-Plated ..	£2 0 0



With Flexible Shampoo.

Copper ..	£2 2 0
Nickel-Plated ..	£2 11 6



With Fixed Shampoo.

Copper ..	£2 2 0
Nickel-Plated ..	£2 11 6

The "Brilliant" Geyser is not intended to warm a bath, but is suitable for bedrooms and for lavatory purposes.

Although so small and inexpensive, it produces excellent results, provides hot or boiling water in a few seconds, and is without doubt the best water heater on the market for heating instantly small quantities of water.

It is made of hardened copper, the outer casing carefully polished and lacquered.

Heating capacity about 1 gallon per minute, raising the temperature 40° Fahr. above that of the cold supply.

The "Brilliant" is furnished with brackets for screwing to wall and is supplied with or without shampoo rose.

### Suitable for Lavatory Basins, Sinks, etc.

Also for Doctors' and Dentists' Surgeries, where small quantities of hot water are required quickly.

### Made in One Size Only.

Height about 16 inches.  
Diameter about 6 inches.  
Weight about 9 lbs.



Without Shampoo.  
Fitted with Automatic Valve.

Copper ..	£2 3 6
Nickel-Plated ..	£2 13 0



With Flexible Shampoo  
and Automatic Valve.

Copper ..	£2 14 0
Nickel-Plated ..	£3 4 6



With Fixed Shampoo  
and Automatic Valve.

Copper ..	£2 14 0
Nickel-Plated ..	£3 4 6



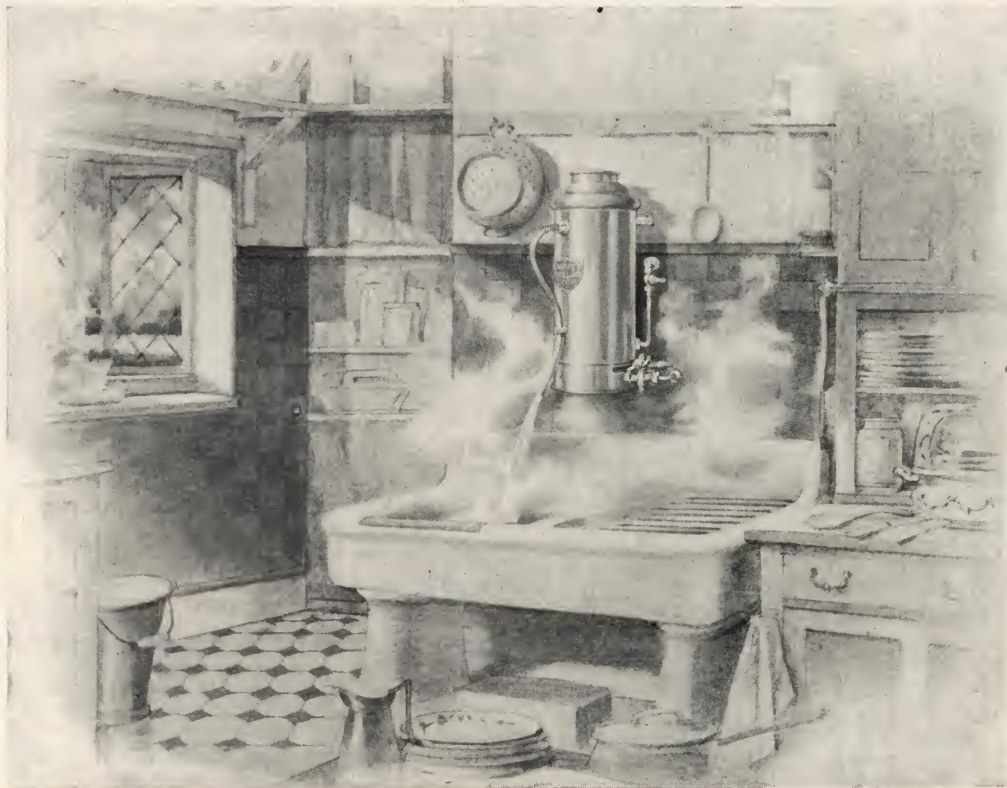
# Ewart's "Brilliant" Geyser.

Patented.

Registered.

Instantly Heats the Water that is required Night or Day  
at the Lowest Possible Cost.

It is Instantaneous, Automatic, and Reliable.



By merely turning on a tap, the "Brilliant" Geyser is put into action, and delivers a stream of hot or boiling water, instantly, whenever it is wanted.

The "Brilliant" Geyser is of simple construction, and works day after day, delivering hot water in any quantity and at the right temperature, whenever the tap is turned on.

When not in use there is no gas wasted.

The "Brilliant" Geyser may be easily fixed over the kitchen sink, as shown in the illustration, with little or no disturbance to the existing fittings.

# Ewart's "Vivo" Geyser.

"Sealed" System.

Patented.

Registered.

## Automatic in Action.



Of entirely new and improved construction and manufactured throughout of carefully selected metal of the highest grade, and finished in the best manner.

The "Vivo" Geyser is constructed of Copper and Brass throughout its working parts.

The water passes through a solid drawn Copper tube which is coiled in a novel manner (and protected against imitation by Patent and Registration) and tested to stand a pressure of 100 lbs.

The patent automatic valve is of improved principle, the outcome of many years' practical experience and experiment, and is free from rubber or other delicate parts.

Entirely automatic in action, hot water may be instantly drawn from the "Vivo" Geyser to either bath, sink or lavatory basin, the gas only being full on while hot water is running, and the closing of the hot water tap instantly shuts down the gas.

While of artistic appearance, the design is in accordance with the latest sanitary ideas—all receptacles for dust have been avoided.

The "Vivo" is mounted on feet and adapted either for screwing to wall or standing on shelf or bracket.

By an improved construction the burner is easily accessible if required, but at the same time is protected from interference and secure against injury while in use.

Height. inches.	Width. inches.	Depth. inches.	Heating Capacity. galls.	Prices.	
				Copper £ s. d.	Nickel-plated. £ s. d.
24½	11	9	2	6 6 0	7 5 0

The temperature of the water flowing at the above rates per minute is raised 40° Fahrenheit above that of the cold supply, or from 60° to 100° Fahrenheit.

The temperature may be increased or diminished according to the size of the steam.



# Ewart's "Regal" Geyser.

"Sealed" System.

Patented.

Registered.

Of an entirely new and improved construction, and manufactured throughout of carefully selected material.

The "Regal" is an automatic Heater constructed with a solid drawn Copper Tube which is coiled in a novel manner and protected against imitation by Patent and Registration) and tested to stand a pressure of 100 lbs.

The heating is very rapid, hot water being obtainable within a few seconds after lighting the gas.

The Patent Automatic Valve is of the latest design and construction and operates so that the gas is only full on while the water is running—the closing of the Hot Water Tap instantly lowers the gas.

The exterior of the "Regal" Geyser is of Copper highly polished and lacquered.



## Sizes and Prices.

Height. inches.	Diameter. inches.	Weight. lbs.	Heats per minute. galls.	Prices.	
27	10½	36	2—2½	Copper. £ s. d.	Nickel-plated. £ s. d.
				7 10 0	8 15 0

Made in one size only.

Patented.

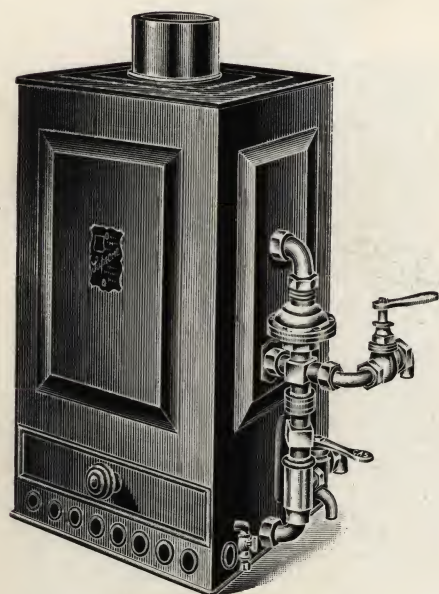
# The "Supreme" Geyser.

Registered.

"Sealed" System.

Automatic Type.

Hot Water under Pressure.



The "Supreme" Geyser has been specially designed to meet the demand for a durable and well-made automatic water heater at a low price.

It is entirely automatic in action, the burners lighting from a single pilot, and the water is drawn from any tap to which it is connected.

The "Supreme" Geyser will supply hot water to bath, lavatory and kitchen sink, or other taps as may be required.

Where a kitchen boiler has previously been used the "Supreme" Geyser may be easily connected to the existing hot water supply pipes at small cost.

The hot water is delivered under the same pressure as that of the cold water.

Instead of always keeping a sufficiently large quantity of water heated to meet the largest possible demand (causing great waste of fuel), the "Supreme" is arranged to heat only the exact quantity of water required, at the time when it is wanted.

If a pailful is required, the gas burns only while that pailful is being heated; and if a bathful is wanted, the larger quantity is as easily available in a few minutes.

The "Supreme" may be fixed in any convenient position where the flow pipe is most easily connected.

Tested to stand a pressure of 150 lbs., the outer case is of ornamental panelled Copper, polished and lacquered. All working parts are of hardened Copper and are of the best finish and quality.

The "Supreme" Geyser may be fitted in any house with a knowledge that a thoroughly satisfactory Water Heating System has been installed.

**Capacity, No. 1 Size.**—Produces hot water at the rate of  $2\frac{1}{2}$  to 3 gallons per minute.

**No. 2 Size.**—Produces hot water at the rate of 4 gallons per minute.

## Sizes and Prices.

List No.	Heats. per minute. galls.	Width. inches.	Height. inches.	Gas supply inside Diam. inches.	Water supply inches.	Prices.					
						Polished Copper.			Nickel-plated.		
						£	s.	d.	£	s.	d.
1	$2\frac{1}{2}$ -3	$16\frac{1}{2}$	27	$\frac{3}{4}$	$\frac{3}{4}$	9	9	0	10	9	0
2	4	$16\frac{1}{2}$	31	1	$\frac{3}{4}$	11	11	0	12	15	0

**Extra** for heavy polished Brass Brackets with screws for fixing to wall, No. 1, 10/-; No. 2, 15/-  
Weight of brackets, 3 lbs.

The temperature of the water flowing at the above rate per minute is raised 40° Fahr. above that of the cold supply, or from 60° to 100° Fahr.

The temperature may be increased or diminished according to the size of the stream.



# Ewart's "Ever-Ready" Boiler.

Specially designed to produce a continuous smooth stream of actually boiling water.

For Bar or Counter.

Self-Filling. Automatic. Continuous in Action.

The water is kept at boiling point and when any is drawn off, the gas is automatically turned on to instantaneously boil the cold water entering, and provides a continuous stream of actually boiling water at the rate stated.

When the tap is turned off, the gas is lowered to the point necessary to keep the water boiling.

The delivery of water always actually at boiling point is ensured by the patent arrangement of gas and water fittings.

The utmost economy is secured by the patent locking device, which reduces the gas consumption to a minimum.

The gas is turned down as soon as the stream of boiling water is turned off.

The "Ever-Ready" Boiler is made of hardened, Copper, and the interior parts carefully coated with pure tin and sealed from contact with the gas fumes—the boiling water is therefore delivered quite pure.

The outer case is highly polished and lacquered, giving a very handsome appearance.



## Sizes and Prices.

		£ s. d.			Nickel-plated £ s. d.		
		£	s.	d.	£	s.	d.
<b>No. 1</b>	produces about half a gallon of <b>boiling water</b> per minute Height 2 ft. 10 ins. Diameter at base 10½ ins. ; at top 12 ins. Weight 40 lbs.	8	8	0	9	12	0
<b>No. 2</b>	produces about one gallon of <b>boiling water</b> per minute.. Height 3 ft. 3 ins. Diameter at base 14 ins. ; at top 17 ins. Weight 55 lbs.	12	0	0	13	11	0

Complete with necessary water and gas taps and brass supply pipes to be carried through counter, all of best quality and finish.

# Ewart's "B" Pattern "Califont."

Patented.

Registered.

**"Sealed" System. Hot Water under Pressure.**

## **Independent Supply of Hot Water instantly whenever required.**

Gas forms the most convenient and economical means of heating large or small quantities of water quickly.

Instead of always keeping a sufficiently large quantity of water heated to meet the largest possible demand (causing great waste of fuel) the "Califont" is arranged to heat only the exact quantity of water required at the time when it is wanted.

If a gallon is required, the gas burns only while that gallon is being heated, and if a sudden call is made for perhaps 50 or 100 gallons, the larger quantity is as easily available in a few minutes.

An unlimited supply of hot water may be obtained in the bathroom, kitchen, lavatory basins and bedrooms by simply turning on any of the hot water taps.

The hot water supply should not be dependent upon personal attention. It should be economical, instantly available at night or in the daytime, and there should be no limit to the quantity of hot water.

Ewart's "B" Pattern "Califont" provides a hot water service meeting these requirements.

There is no limit to the supply of hot water which flows as long as the tap is left open.

The size of the stream running regulates the temperature of the water obtained.

As soon as the hot water tap is shut, the automatic valve controlling the gas supply closes immediately and the gas to the burner is cut off, the pilot light only remaining for re-lighting purposes.

Should the water supply fail for any reason, the gas cannot be raised.

The "B" "Califont" provides hot water for any number of baths in quick succession—the successive baths may be hotter or cooler, according to the requirements of the bather.

Where hot water circulating pipes already exist, the "B" "Califont" may be connected up to the flow pipe. In some cases this is arranged so that the "B" "Califont" can be used in the Summer, and the kitchen boiler in the Winter.

One pipe—the hot water supply—is taken from the "Califont" and branched to any part of the house in the same manner as the ordinary cold supply pipe.

While it may perhaps be argued that a coal fire is cheaper for heating water for baths and where small quantities of hot water are intermittently required, the actual cost of gas burnt by the "Califont" is considerably less than the cost of the coal fire required to produce the same results, while the saving of time and the absence of dirt and dust by the use of gas as compared with coal, cannot be over-estimated.

In large households or in Schools, the advantage of speedily obtaining a number of hot baths in rapid succession at small cost will be found incalculable.

It cannot be too clearly understood that the opening or closing of any hot water draw-off tap, irrespective of its distance from the "Califont," automatically admits or cuts off the supply of gas to the burner.

The burner is only fully alight while hot water is actually being drawn off—at other times, only the small pilot flame is alight.

For Prices see page 36.

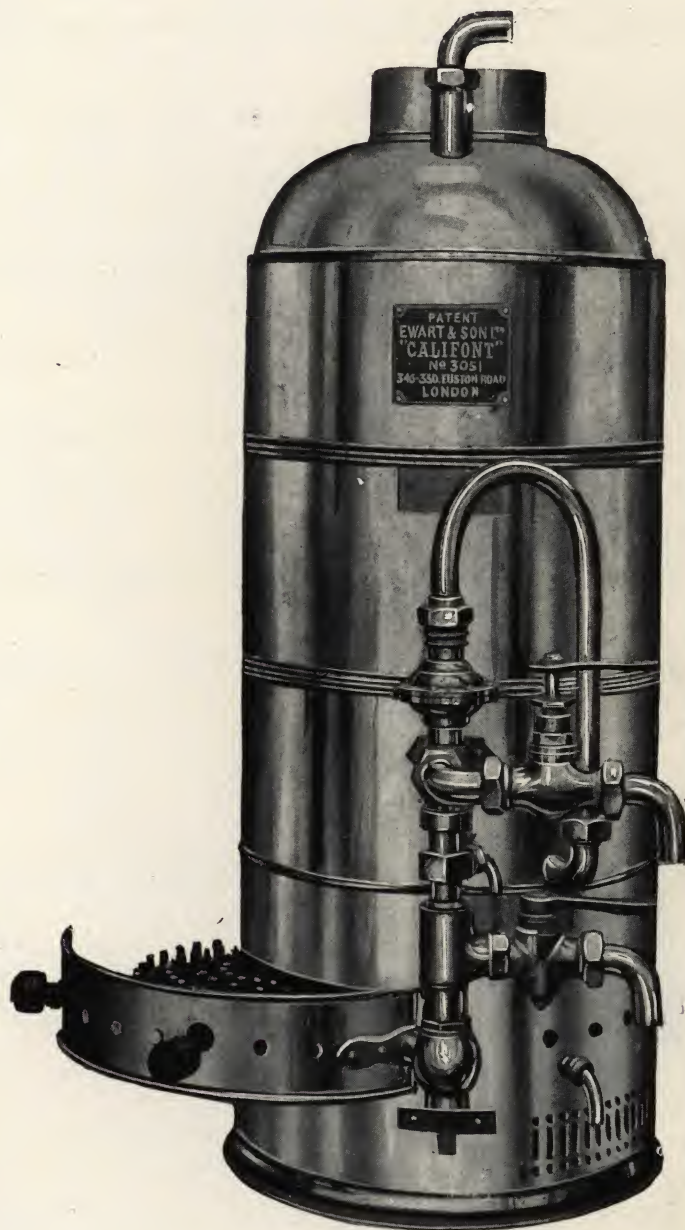


# Ewart's "B Califont."

Patented.

Registered.

Hot Water under Pressure.



Hot Water instantly night or day in any part of the house.

# Ewart's "B Califont."

"Sealed" System.

Patented.

Registered.

The "Califont" is made of Copper, and is of the best finish and workmanship. The brass fittings are of the best quality. The burner swings out for lighting, and the exterior is highly polished and lacquered.

The "Califont" may be fitted in any part of the house, and will supply hot water to any number of taps. There is no limit to the supply of hot water; it continues to run as long as the tap is left opened; with the closing of the tap the gas is instantly turned to a pilot light only. The gas is only fully alight while the hot water is actually running off.

The "Califont" will supply hot water to bath, lavatory, kitchen sink, or other taps as may be required.

Where a kitchen boiler has previously been used, the "Califont" may easily be connected to the existing hot water supply taps at a small cost.

The "Califont" is tested to stand a pressure of 150 lbs. to the square inch.

The automatic action of the valve does not depend upon any action of weight or springs, but is actuated by the flowing water.

Hot water supply is delivered under the full pressure of cold water supply.

## Sizes and Prices.

List No.	Heats per minute gallons	Diam. inches.	Height. inches.	Gas supply. inside diam. inches.	Water supply inches.	SUITABLE FOR	£ s. d.			If Nickel-plated £ s. d.			If fitted with Atmospheric Burner £ s. d.		
							£	s.	d.	£	s.	d.	£	s.	d.
40 "B"	1½	9	29	½	½	1 Lavatory Basin	8	8	0	9	4	0	9	8	0
41 "B"	2	10½	31	⅝	⅝	2 Lavatory Basins	10	10	0	11	10	0	11	10	0
42 "B"	3	12½	33	¾	¾	3 Basins or 1 Bath	12	12	0	13	17	6	14	2	0
43 "B"	4	14	38	1	1	1 Bath and 1 Basin	15	15	0	17	3	6	17	5	0
44 "B"	6	16	41	1¼	1¼	1 Bath, Kitchen supply, and 1 Basin	23	2	0	25	2	0	24	17	0
45 "B"	8	18½	43	1½	1¼	Supply throughout House.	27	6	0	29	16	0	29	6	0
46 "B"	10	20	48	2	1½	Large House.	36	15	0	39	18	0	39	5	0
47 "B"	16	26	60	2	1½	Positions where large quantities of hot water are required.	52	10	0	56	10	0	56	10	0

Note.—Nos. 46 and 47 have fixed burners.

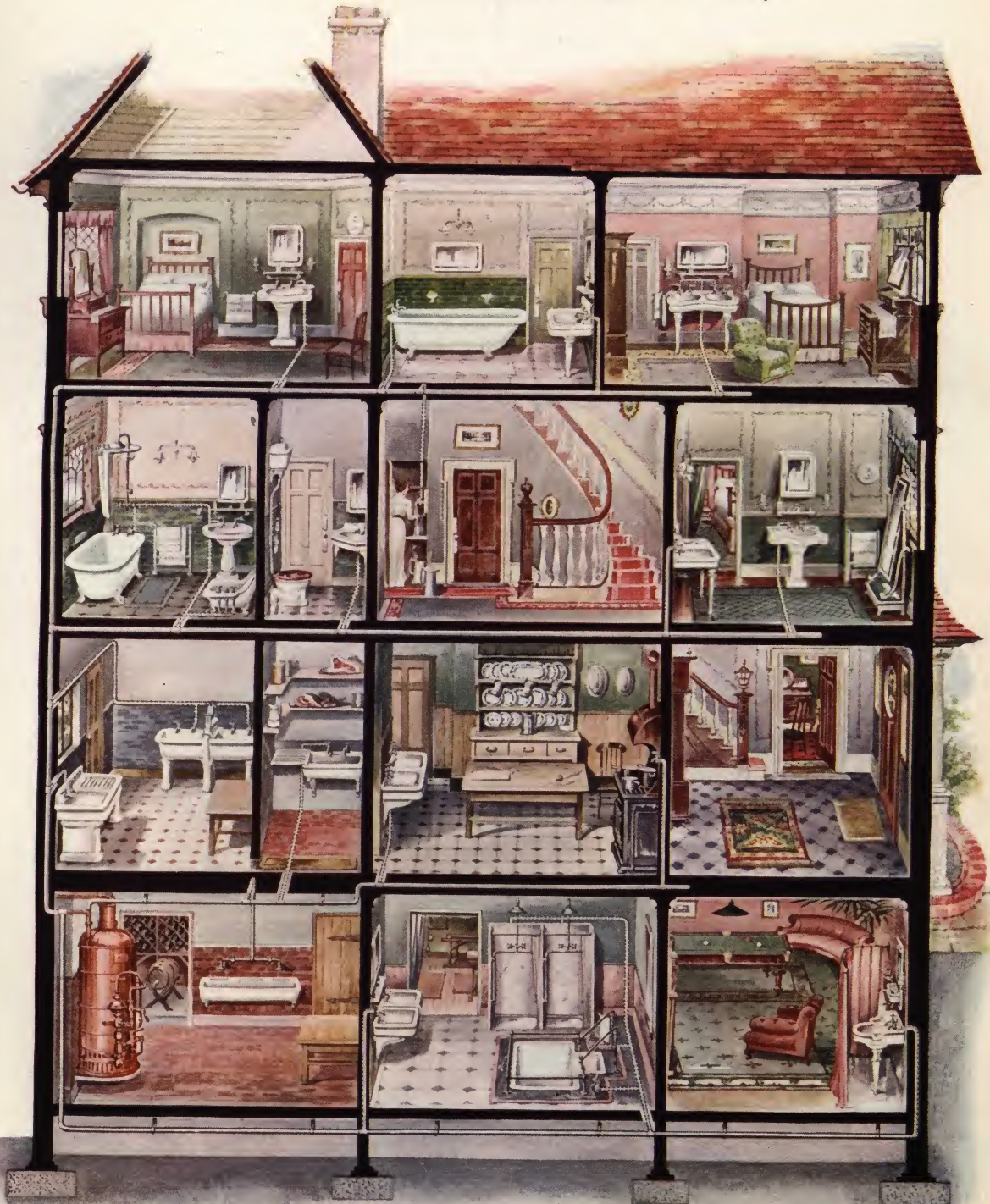
The temperature of the water flowing at the above rates per minute is raised 40° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of the stream.

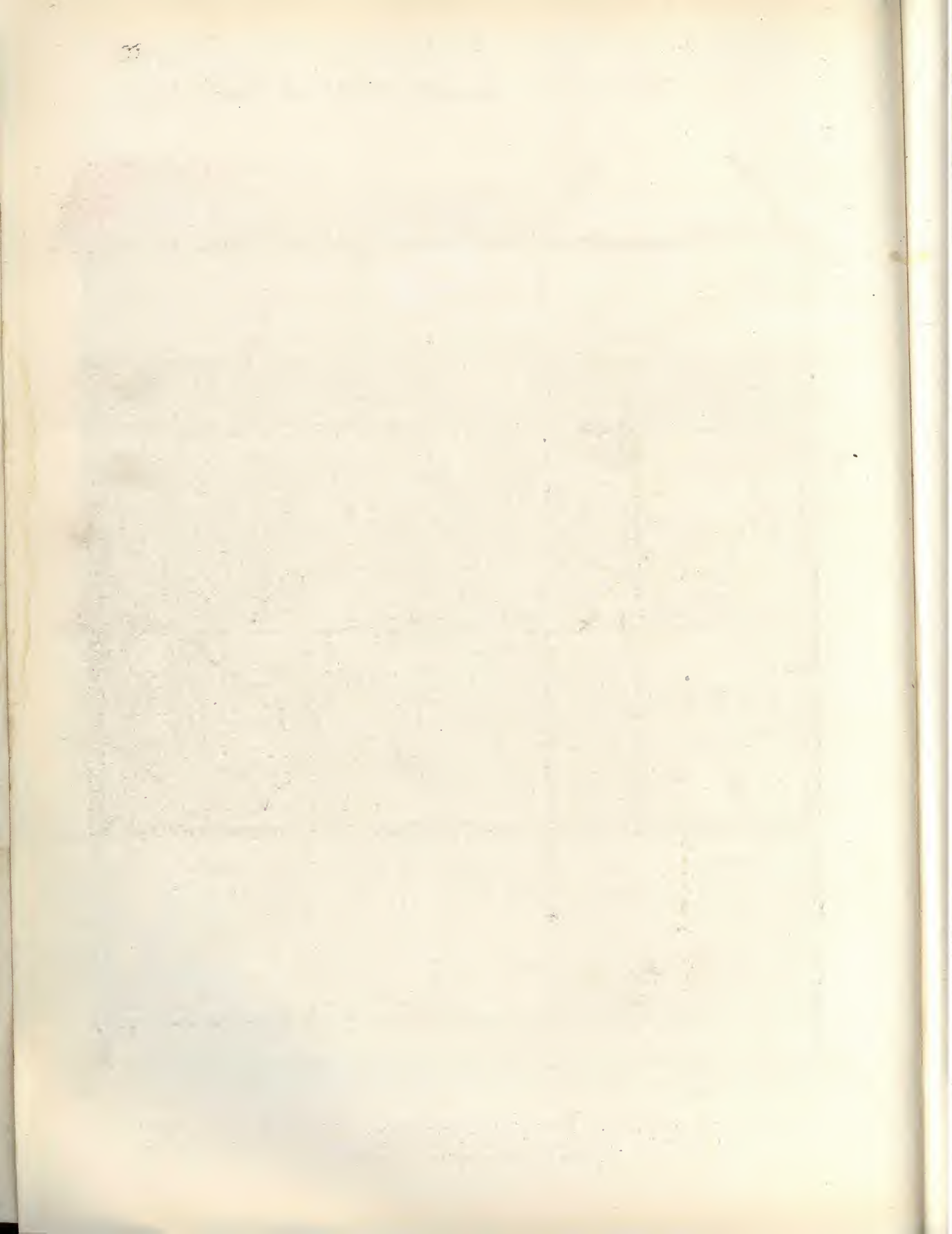


# Ewart's "B" Pattern "Califont."

Hot Water Instantly Night or Day.



The illustration shows the "Califont" fixed in the basement of a house with hot water services to the various rooms. The "Califont" may, if preferred, be fixed in the bathroom or any other convenient position. For prices and other particulars, see pages 34 to 42.





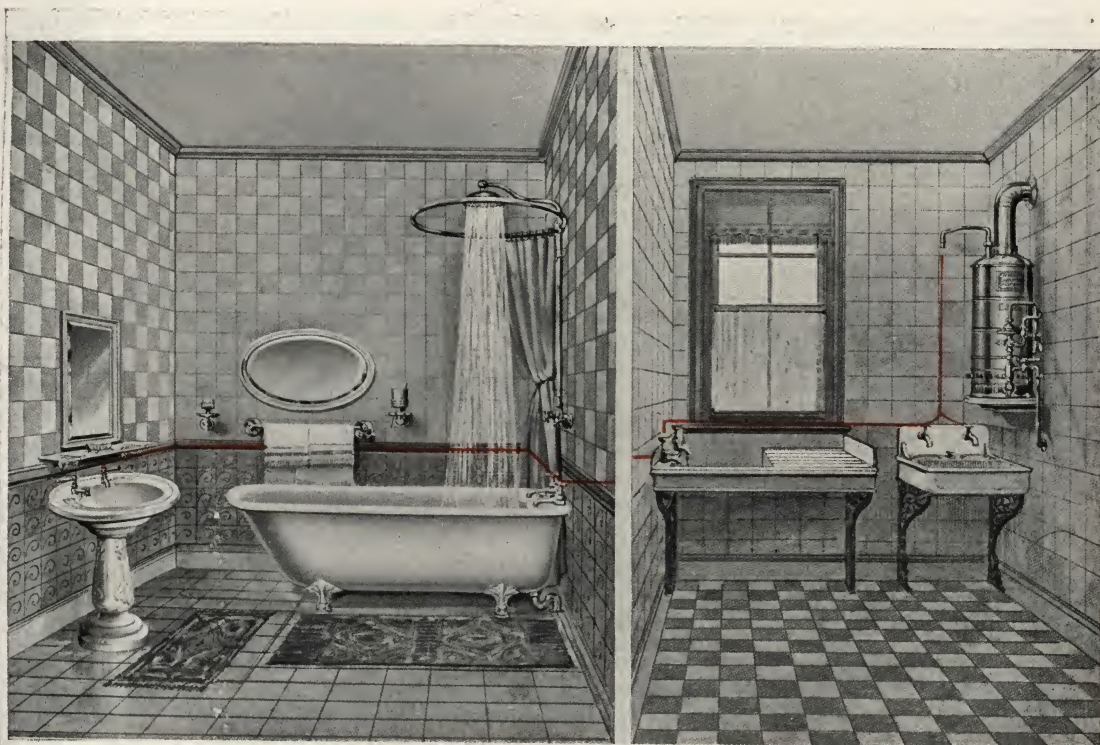
# Ewart's "B" Pattern "Califont."

Patented.

"Sealed" System.

Registered.

Hot Water Supply to Bathroom, Scullery, etc., in Flats.



The Red Line shows the Hot Water Supply from the "B" Pattern "Califont."

A large number of "Califonts" have been installed in blocks of flats. The first requirement of the tenant is usually freedom from domestic worries and the ability to obtain—without the trouble of keeping up a fire—a hot bath or other service of hot water to lavatory or kitchen immediately, at any time of the night or day.

One "Califont" supplies all the services illustrated.



# Ewart's "B" Pattern "Califont."

Patented.

"Sealed" System.

Registered.

## Hot Water Service to Kitchen.



The "B" pattern "Califont" is used in connection with the kitchen and scullery, where large quantities of hot water are demanded for washing up, etc.

In Restaurants and Hotel kitchens, as well as private houses, the "Califont" provides, with economy, ample hot water service at the shortest notice.



# Ewart's "B Califont."

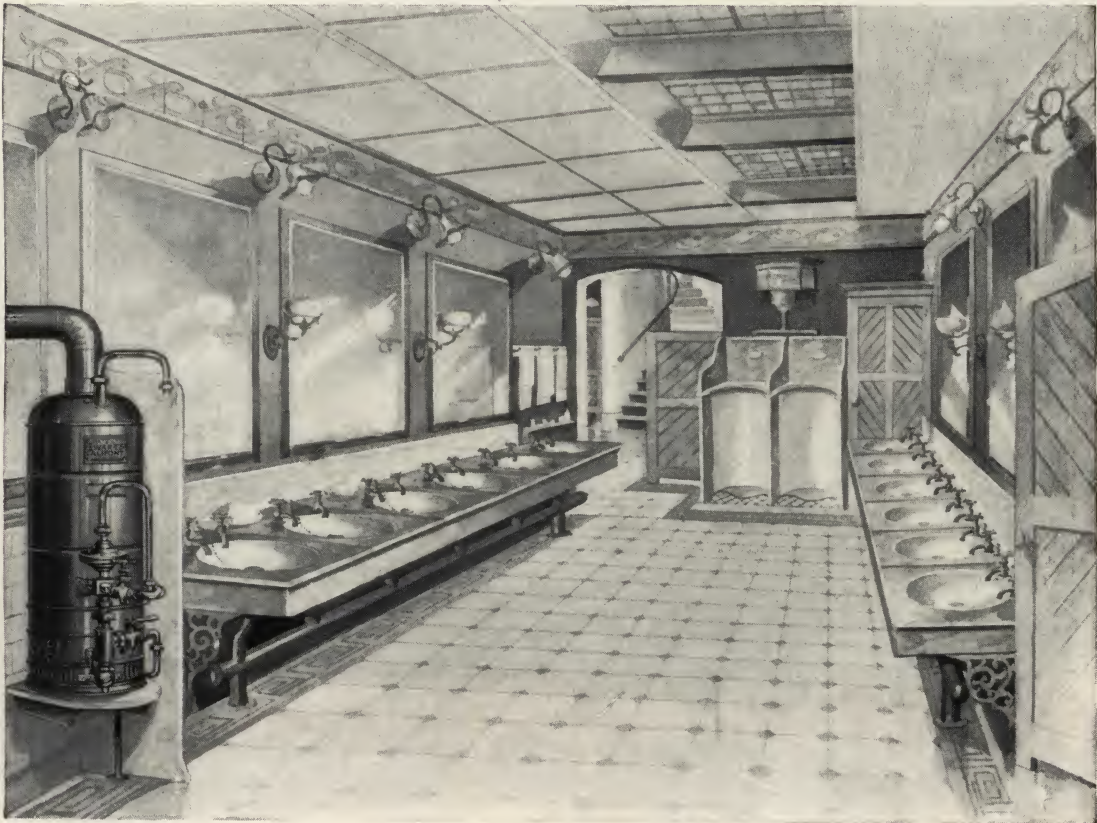
Patented.

"Sealed" System.

Registered.

## Interior of Underground Convenience.

Most of the principal conveniences in London and Provinces are now fitted with Ewart's Water-Heaters.



Hot water service from "Califont" to range of lavatory basins.

The "Califont" may be placed on the same level as the lavatory basins or on an upper or lower floor, and will supply other basins or baths if required.

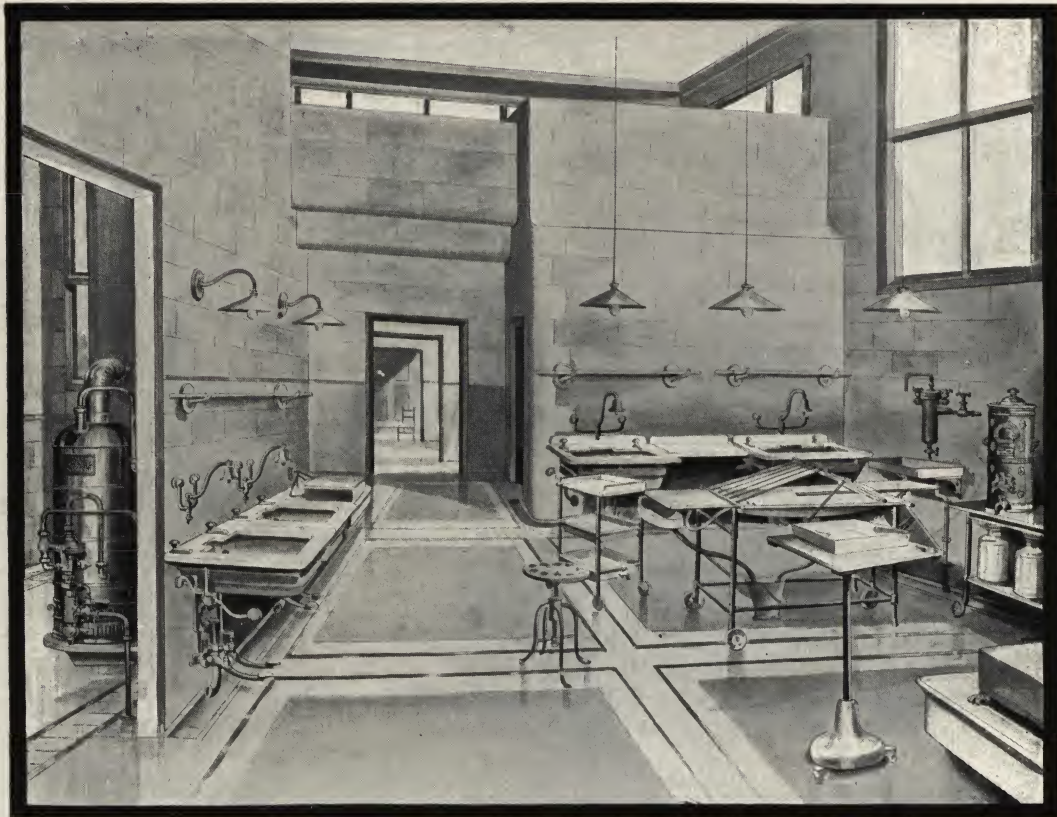
# Ewart's "B" Pattern "Califont."

Patented.

"Sealed" System.

Registered.

## Supplying Hot Water in Hospital Operating Theatre.



A supply from the same "B" Pattern "Califont" can be run to the Bath Rooms or other parts of the Building.

In many illnesses hot water quickly obtained saves life.

The "B" Pattern "Califont" has proved of the greatest utility in Medical Institutions, Hospitals, and Nursing Homes.

It will always provide hot water instantly at the shortest notice.



# Ewart's "B" Pattern "Califont."

Patented.

"Sealed" System.

Registered.



Under the Factory Act, suitable washing convenience must be provided to any workshop where dangerous or unhealthy industries are carried on. The illustration shows a recent installation where bathing and washing accommodation was required.

One "Califont" supplies hot water to all the fittings, and although large quantities of hot water are from time to time used at the shortest notice, it is unnecessary to heat any water in advance.

The "Califont" produces at the lowest cost, just that quantity of hot water at the desired temperature needed for use.

# Ewart's "Califont" Spray Arrangement

For Institutions, Gymnasiums, Factories, Workshops,  
Prisons, etc.



Ewart's "Califont" Spray Bath (or Needle Spray Arrangement) provides instantly hot water at any desired temperature and sufficient for any number of persons.

The "Califont" Spray Bath reduces risk of infection to a minimum by ensuring that no two persons can use the same water.

The Installation can be adapted for any number of children or adults, and as gas is only burning while the bath is in use, the greatest economy in working expenses is effected.

The arrangement is so formed that when the bathers march through the bath, the base forms a foot bath of running water, while the needle sprays are directed to every part of the body.

## Specification.

The "Skeleton" Shower Baths are about 11 ft.  $\times$  3 ft. 6 in.  $\times$  6 ft. high, all piping of 1 in. best steam quality tube, galvanized, with suitable brass shower jets, complete with No. 45 "B" pattern "Califont," suitable for twenty children.

**Price £53 10 0**

Price includes "Skeleton" Shower Baths and Heater only.



# Ewart's "Factory" Boiler.

Specially designed to produce Boiling Water for  
Tea-making in large and small quantities.

Patent ed.

Registered.

SELF-FILLING.

CONTINUOUS  
IN ACTION.

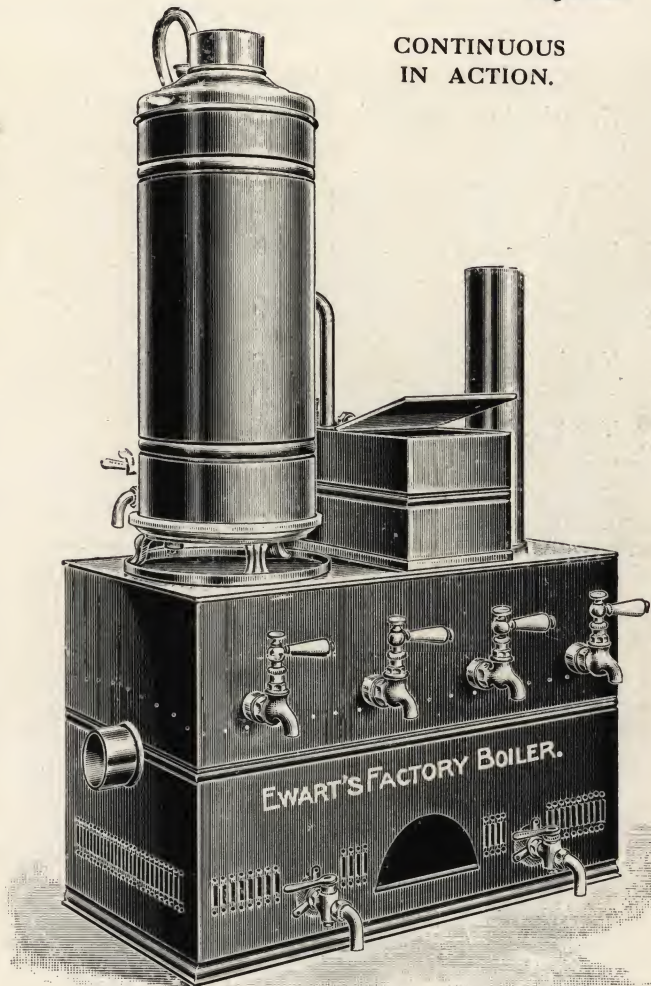
In Factories where arrangements are made to provide employees with hot water for tea, etc., at meal-times, large quantities of boiling water are required and it is necessary to draw the water off at a number of taps in order to give quick service.

Ewart's "Factory" Boiler has been specially designed to meet these circumstances, and produces boiling water at about 1 gallon per minute; a tank is fitted with 4 (or more) draw-off taps, to enable a number of persons to obtain boiling water at the same time.

By lighting the heater about 20 minutes before the boiling water is required to be served, the reserve tank holding about 20 gallons of boiling water is filled up, and the small burners placed under the tank keep the water at boiling point.

To meet the sudden demand for large quantities of boiling water, there is immediately available a reserve quantity of about 20 gallons of boiling water in the tank and a supply of about 1 gallon per minute of fresh water passing into the tank, replacing the boiling water that is drawn off.

The "Factory" Boiler is made throughout of stout copper carefully coated with pure tin on the inside parts where the water touches; it is automatic in action and fitted with a self-acting ball valve, draw-off taps and unions, complete as illustration. The outside of the heater and tank is bright polished and lacquered.



## Dimensions, No. 1 Size.

The Boiler as illustrated is about 2 ft. 6 ins. long by 1 ft. 8½ ins. deep by 1 ft. 3½ ins. wide; height overall 4 ft. 6 ins.

PRICE, No. 1 Size.—Fitted with 8 draw-off taps, 20-gallon tank, and with a heating capacity of 1 gallon per minute .. .. . £20 10 0

## Dimensions, No. 2 Size.

The No. 2 is slightly smaller than the dimensions given above.

PRICE, No. 2 Size.—Fitted with 4 draw-off taps, and with a heating capacity of ½ gallon per minute .. .. . £13 0 0

NOTE—Sizes and Prices for smaller or larger Boilers on application, stating particulars.

# Ewart's "Radion" Circulator.

Patented.

Registered.

## For Heating Water for Domestic Purposes.

Ewart's "Radion" Circulator may be used independently, or in conjunction with the kitchen fire.

Connected to the existing pipes, it will furnish all the hot water required when the fire is out.

It need not be used when the fire is alight.

It heats the whole of the hot water system, so that hot water may be had in any part of the house.

The installation is usually inexpensive, and the most convenient position is by the side of the kitchen fire, fixed on a bracket, as shown in the illustration.

The "Radion" Circulator remains the Tenant's "fixture," and may be disconnected and taken away at any time.

By the use of the "Radion" Circulator, the time and trouble in setting and lighting the kitchen fire or keeping the kitchen range alight when hot water is not required or in the summer time, is saved, and the cost of the gas consumed is easily paid for by the substantial reduction in the coal bills.

The "Radion" Circulator does not in any way interfere with the working of the kitchen fire if in winter time it is found desirable to use it.

When, however, additional baths are required, or early in the morning or at night when the demand for hot water may exceed the usual supply from the kitchen boiler, a very rapid and plentiful supply of hot water is always available by lighting the "Radion."

The "Radion" Circulator may also be used with advantage for heating hot water pipes or Radiators, and ensures—

**An equal and continuous heat throughout the night and day without attention.**

**Easy regulation obtained by the turning on of a single tap.**

**The saving of room—no space is required for the storing of coal, coke or ashes.**

For large installations and buildings where an engineer is in charge of the boiler, gas is of course not so economical or suitable as coal, but for domestic requirements and to heat conservatories, single rooms, greenhouses, motor houses, offices and showrooms, gas has been found much more economical than coal or coke (when the cost of labour for attendance on the boiler is added to the cost of coal burnt), while very much more convenient.

In selecting a gas boiler, care must be exercised to see that it is powerful enough to thoroughly heat the hot water pipes or Radiators required, and capable of withstanding the pressure from the head of water in the cistern.

The "Radion" Circulator has been designed to obtain the best possible results from the gas consumed, and to meet these requirements.



# Ewart's "Radion" Circulator.

Patented.

Registered.

A few Illustrations showing where the Ewart "Radion" Circulator may be used to the Greatest Advantage.

If hot water pipes are already installed in a house and it is not desired to incur the slight extra cost of providing an additional service by means of a Ewart Geyser, the "Radion" Circulator may be easily attached to the existing pipes at small cost.

Where a "Radion" Circulator is fixed, the hot water supply is no longer dependent upon the uncertainty of the kitchen fire.

The "Radion" Circulator remains the property of the tenant and can be easily removed on change of residence.

It will supply hot water to any number of points in the house, in the kitchen, bathroom, etc., and at low cost for gas and without the trouble of stoking or lighting the kitchen fire.

Where large quantities of hot water are required for immediate use and may be heated up in advance of requirements in suitable size tanks or Cylinders, a battery of "Radion" Circulators has been found to give a most efficient and economical service.

The advantages of the system are that any Circulator may be easily disconnected for cleaning or repair without disturbing the entire installation.

It is only necessary to light the number of Circulators necessary to give the heating capacity desired, as circumstances may require.

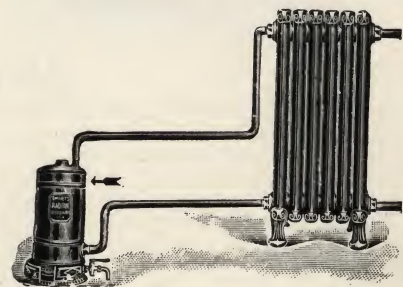
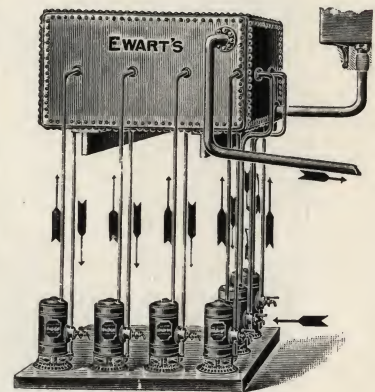
The "Radion" Circulator is particularly adaptable for heating Radiators or circulating pipes.

The "Radion" Circulator may be connected to one Radiator or a series of Radiators fixed in various positions, and as it requires no attention or "making up" as with the ordinary coal furnace, is most convenient for warming Halls, Business Premises, Offices, Dwelling Houses, etc.

In connecting up the Radiators, the usual small expansion and supply tank must be added.

On receipt of particulars and drawings of buildings or apartments proposed to be heated we shall be most pleased to submit prices for the "Radion" Circulator with piping and Radiators complete.

For capacities and prices of "Radion" Circulators see page 47.

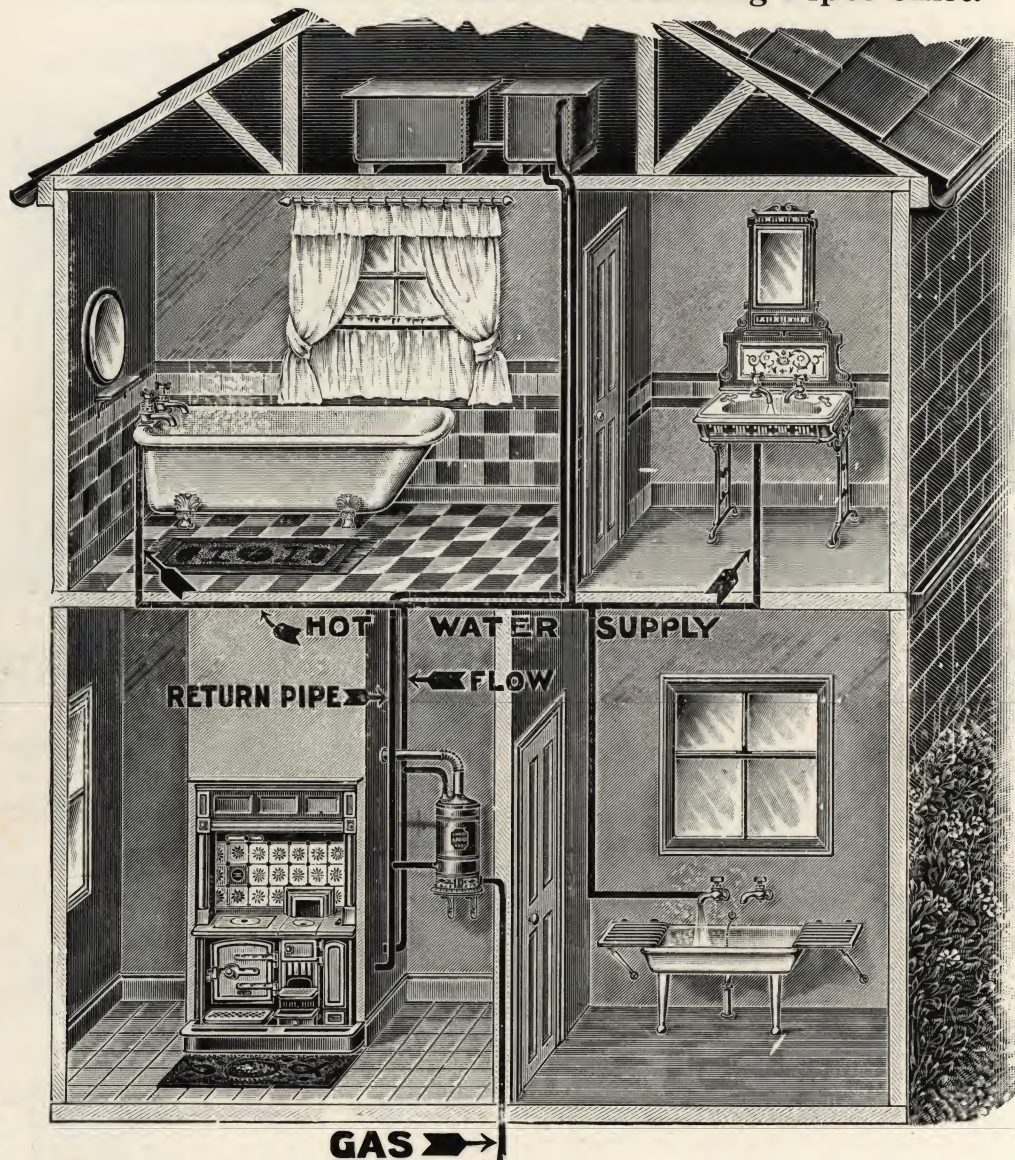




# Ewart's "Radion" Circulator.

Arranged for Hot Water supply to a house.

Suitable for Houses where Circulating Pipes exist.



The "Radion" Circulator may be fixed on bracket against kitchen wall.

The "Radion" Circulator is attached to the existing circulating pipes from the kitchen range boiler, as shown above.

It does not in any way interfere with the working of the kitchen fire; either may be used, or both together. In summer time the "Radion" Circulator will provide an ample supply of hot water without the trouble and discomfort of kitchen fires.

In winter, when the kitchen fire is alight, the "Radion" Circulator need be alight only at such times when the demand for hot water exceeds the capacity of the range boiler.

With the Ewart "Radion" Circulator an abundant supply of water is always assured.

The gas pipe should be  $\frac{1}{2}$ -in. or  $\frac{3}{4}$ -in. inside diameter, according to the size of the "Radion" Circulator fitted, and a ventilating pipe, to carry the fumes into the kitchen chimney, is recommended.



# Ewart's "Radion" Circulator.

Patented.

Registered.

Ewart's Patent No. 11072 of 1908. Regd. Patent Nos. 524181, 524182, 524184, 530330, and 530329.

The "Radion" Circulator is scientifically constructed to produce the best possible results from the gas burnt, and durability in use.

By the method of construction adopted in the "Radion" Circulator—which is protected against imitation by Patent and Registration—the small repairs necessary from time to time generally associated with Gas Boilers, are entirely done away with.

The "Radion" Circulator is constructed of stout hardened Copper, specially rolled, and the water chambers are so arranged that they are made with only six seamed and welded joints, and there are no small or horizontal water-ways generally found in other forms of gas Circulators, which so quickly fur up.

All the water chambers are arranged vertically, and with large spaces at the bottom where, if fur is deposited, it does not interfere with the working of the apparatus.

The "Radion" Circulator is fitted with an improved form of gas tap, arranged so that by one movement the gas is turned fully on, and by a second movement the flame is reduced to a pilot light, sufficiently large to keep hot the water that has already been heated.

The "Radion" Circulator is fitted with brass flanges screwed to receive 1 in. iron barrel, powerful atmospheric burner, ornamental cast iron stand with double doors for access to the burner.

The "Radion" Circulator is finished in bright polished Copper lacquered, the cast iron base black enamelled.

The price includes gas tap and union ready for fixing.

Tested to stand a pressure of 50 lbs. to the square inch, and may be used with 90 ft. head of water.



## Capacity.

List No.	Heats per hour.	Raised.
"A"	45 galls.	40° Fahr. or 350 ft. of 2 in. pipe or 150 ft. Radiator surface.
"B"	100 "	40° " " 750 ft. " 2 in. " " 250 ft. " " "

## Sizes and Prices complete with Gas Tap.

List No.	Diameter, inches, about	Height, inches, about	Weight, lbs.	Gas Supply, inside diameter.	Prices.
"A"	10	24	45	1/2 in.	£ 3 3 0
"B"	18	36	130	3/4 in.	£ 7 7 0

## Sizes and Prices complete with Heat Regulating Valve.

List No.	Diameter, inches, about	Height, inches, about	Weight, lbs.	Gas Supply, inside diameter.	Prices.
"AHV"	10	24	49	1/2 in.	£ 4 15 0
"BHV"	18	36	135	3/4 in.	£ 9 9 0

Extra for Strong Black Enamelled Cast Iron Shelf and Bracket—for sizes "A" and "AHV," 5/-

NOTE.—For particulars of Heat Valve, see page 48.

# Ewart's "Radion" Circulator.

## With "Ewart" Heat Regulating Valve.

Ewart's Patent No. 11072 of 1908. Regd. Nos. 524181, 524182, 524184, 530327, 530330, 530329.

**Hot Water maintained at any desired temperature, always ready for immediate use, night or day.**

The addition of the Ewart Heat Regulating Valve prevents waste of gas.

The manner in which the valve works is that when the water is hot, the gas flame is automatically reduced to a small pilot flame.

Immediately the hot water is drawn off and the temperature lowered by the inflowing cold water, the gas is automatically turned on, the heat of the water automatically opening or closing the gas valve.



The hot water may therefore be always kept at any desired temperature with the minimum consumption of gas to produce the temperature required.

The Heat Regulating Valve is strongly recommended where the Circulator is used to provide hot water for domestic supply, or for heating radiators or hot water pipes.

When the "Radion" Circulator is fitted with a Ewart Heat Regulating Valve, when first lit the gas will rise to its full height and will so continue to burn until the desired temperature is reached, when the gas will automatically lower to a pilot flame.

The pilot flame only will burn until the water cools a little, when the Heat Regulating Valve automatically again turns the gas up until the desired temperature is reached, and the automatic valve turns down the gas as before to a pilot flame.

The greatest economy in gas consumption is effected, and "furring" is reduced to a minimum as the water is never overheated, but a hot water service at the temperature required is to be depended on at any moment of the night or day.

The "Ewart" Heat Regulating Valve is constructed without perishable material, and is made throughout of stout copper and brass.

"Radion" Circulators are usually sent out from the Factory adjusted to turn the gas down at a temperature of 150° to 160°, and will be so sent unless otherwise ordered.

The valve may, however, be easily regulated for other temperatures as may be found most convenient to purchasers' requirements.

### Sizes and Prices complete with Heat Regulating Valve.

List No.		Diameter, inches, about		Height, inches, about		Gas Supply, inside diameter.		Prices.
A.H.V.	..	10	..	24	..	$\frac{1}{2}$ in.	..	£ 4 15 0
B.H.V.	..	18	..	36	..	$\frac{3}{4}$ in.	..	9 9 0

For capacities and other particulars, see page 47.

Larger Circulators supplied to order—sizes and prices on application.



# Ewart's "Radion" Circulator.

Patented.

Registered.

The illustration shows a Ewart's "Radion" Circulator connected to hot water pipes for warming a Conservatory or Greenhouse.

The "Radion" Circulator may be entirely enclosed and ventilated outside the conservatory, to prevent the fumes injuring the plants, and when fitted with the Ewart Patent "Heat Regulating Valve," the temperature of the hot water pipes may be regulated and set to keep an equal temperature throughout the night and day, without attention.



---

A stout Galvanized Iron Box, well enamelled for enclosing Circulator.

For size "A," £2 2s. 0d.

For size "B," £3 3s. 0d.

---

For warming Offices, either with Radiators or hot water pipes, the "Radion" Circulator has been found most convenient and economical.

When one or two offices adjoin a Showroom or Warehouse, the "Radion" Circulator may be fixed in the Showroom or other convenient place.



It is important to notice that no personal attention is required after the burner is lit, and no storage of coal or coke necessary.

If the "Radion" Circulator is fitted with the Ewart "Heat Regulating Valve," an even and comfortable temperature will be maintained in the offices at the smallest possible cost for gas burnt.

On receipt of drawing or plans, we are most pleased to furnish estimates and make suggestions for the installation of heating systems.

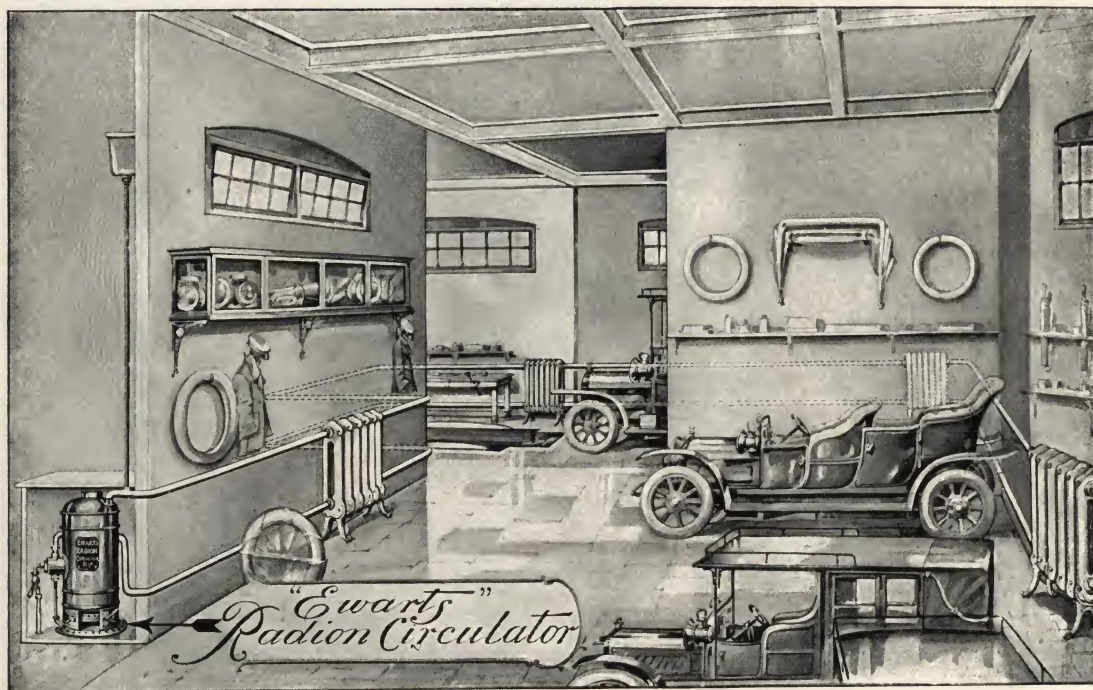
For prices and particulars of "Radion" Circulators see page 47.



# Ewart's "Radion" Circulator.

Patented.

Registered.



While it is important to prevent the risk of frost in the Motor House, there is usually much difficulty in providing for an adequate Heating System at small cost.

The risk of explosion or fire from the Petrol is considerable, and ordinary means of heating by open fire are quite out of the question.

By enclosing in a small chamber or box made of stout galvanized iron, a Ewart 'Radion' Circulator, an efficient system of heating may be easily installed at a moderate cost.

In this manner all risk of fire is avoided, and an even and regular temperature maintained in the Motor House or Garage.

It is recommended in all cases that the "Radion" Circulator with "Heat Regulating Valve" should be used, as the saving in gas will quickly pay for the small increase of cost.

A stout Galvanized Iron Box, well enamelled, for enclosing Circulator.

Size "A," £2 2s. 0d.; or for size "B," £3 3s. 0d.

For prices and particulars of "Radion" Circulator, see page 47.



# Ewart's "Radion" Cylinder.

Patented.

Registered.

The "Radion" Cylinder is a combination of the "Radion" Circulator and a Hot Water Storage Cylinder.

It is a simple and ready means of obtaining quantities of hot water for immediate use, either in an ordinary dwelling house or other special requirements as shown in the following pages.

The "Radion" Cylinder with Ewart "Heat Regulating Valve," always keeps ready for immediate use a reserve of hot water just at the required temperature.

Immediately any hot water is drawn off, the gas is automatically raised to heat the incoming stream of cold water, and remains on until the water has been heated to the desired temperature when by the action of the automatic valve, the gas is shut down to a small pilot light.

It will be observed while in many ways the "Radion" Cylinder is similar to a Geyser, it differs from a Geyser in that all the water must be heated before any hot water can be drawn off.

It holds a storage of hot water ready for immediate use to any number of taps.

For houses where only a small gas supply is obtainable, it is strongly recommended.

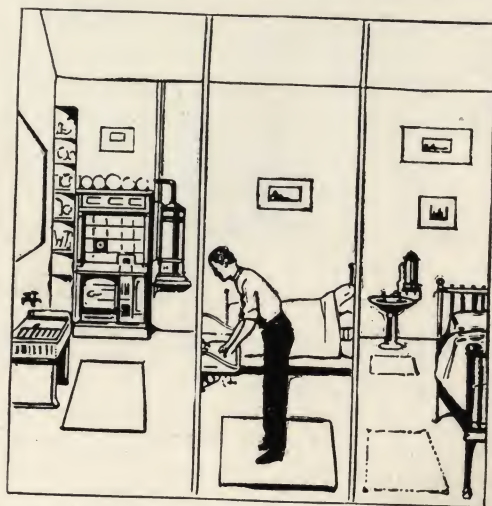
Where a "Radion" Cylinder is fitted, hot water may be obtained at any point in the house, at the kitchen sink, bathroom or bedrooms, and at any moment by turning on the hot water draw-off tap.

When the "Radion" Cylinder is fixed in a convenient position (as shown in the drawing, in the kitchen) it may be connected like an ordinary Cylinder to the kitchen range Back Boiler.

When it is desired to connect the Cylinder in this way, it should be stated on the order that two flanges are required and the position of the flanges on the Cylinder indicated by a sketch sent with the order.

In most houses it will be found convenient to run the hot water supply from the Cylinder by means of one direct supply pipe (branched to the various taps) but if preferred a return pipe may be fitted to the Cylinder to form the circulation in the ordinary way.

## Ewart's "Radion" Cylinder in Kitchen.



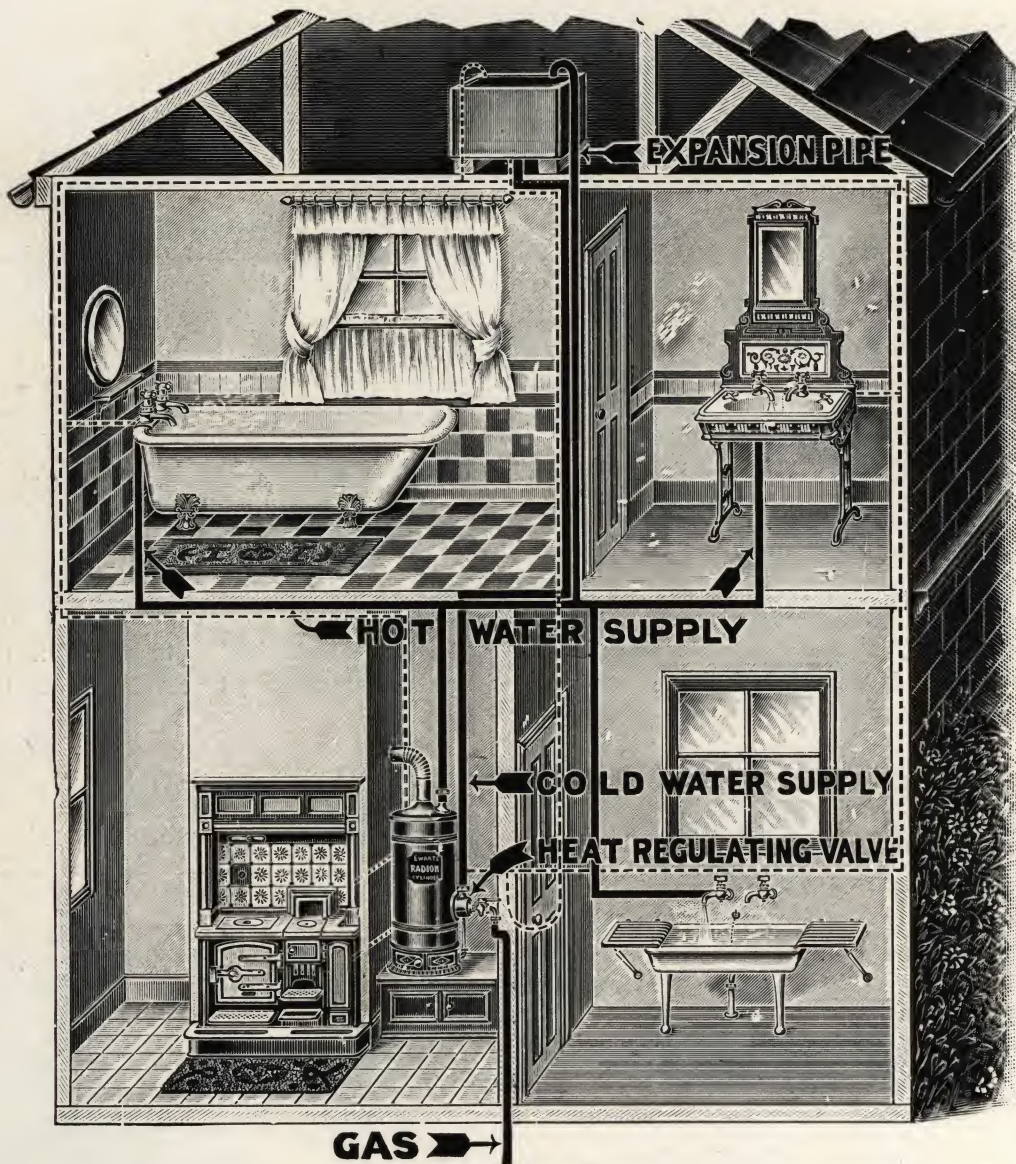


# Ewart's "Radion" Cylinder.

Arranged for Hot Water supply to a house.

Easily installed, even where circulating pipes do not exist.

**NO HOT WATER TANK REQUIRED.**



The "Radion" Cylinder is a complete self-contained heating and storage system; and may be readily adapted, if required, to any existing arrangement of circulating hot water pipes in the house.

It may be fixed as shown above, to store the water heated by the kitchen fire when alight; if the water is not hot enough, or in summer time when kitchen fires are not alight, by simply lighting the small gas burner under the "Radion" Cylinder, a constant and abundant supply of hot water is ensured, at trifling cost.

**No Waste Heat. Gas Automatically Controlled by Heat of Hot Water in Cylinder.**



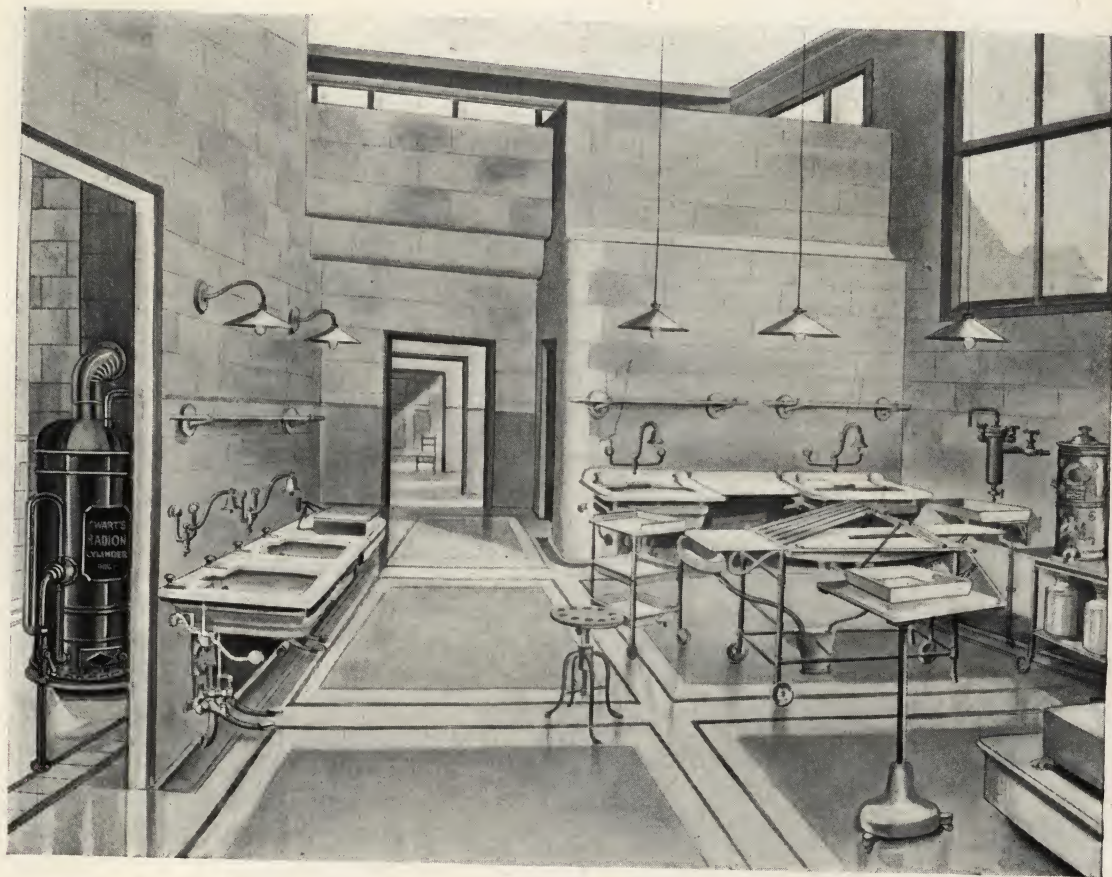
# Ewart's "Radion" Cylinder.

Patented.

"Sealed" System.

Registered.

## Supply of Hot Water to Hospital Operating Theatre.



One direct supply pipe can be run to the bathrooms or other parts of the building from the Ewart "Radion" Cylinder.

In many illnesses, hot water quickly obtained saves life.

The Ewart "Radion" Cylinder has proved of the greatest utility in Medical Institutions, Hospitals and Nursing Homes.

It will always provide hot water instantly at the shortest notice and at the lowest possible cost.

For prices and particulars of the "Radion" Cylinder see page 56.



# Ewart's "Radion" Cylinder.

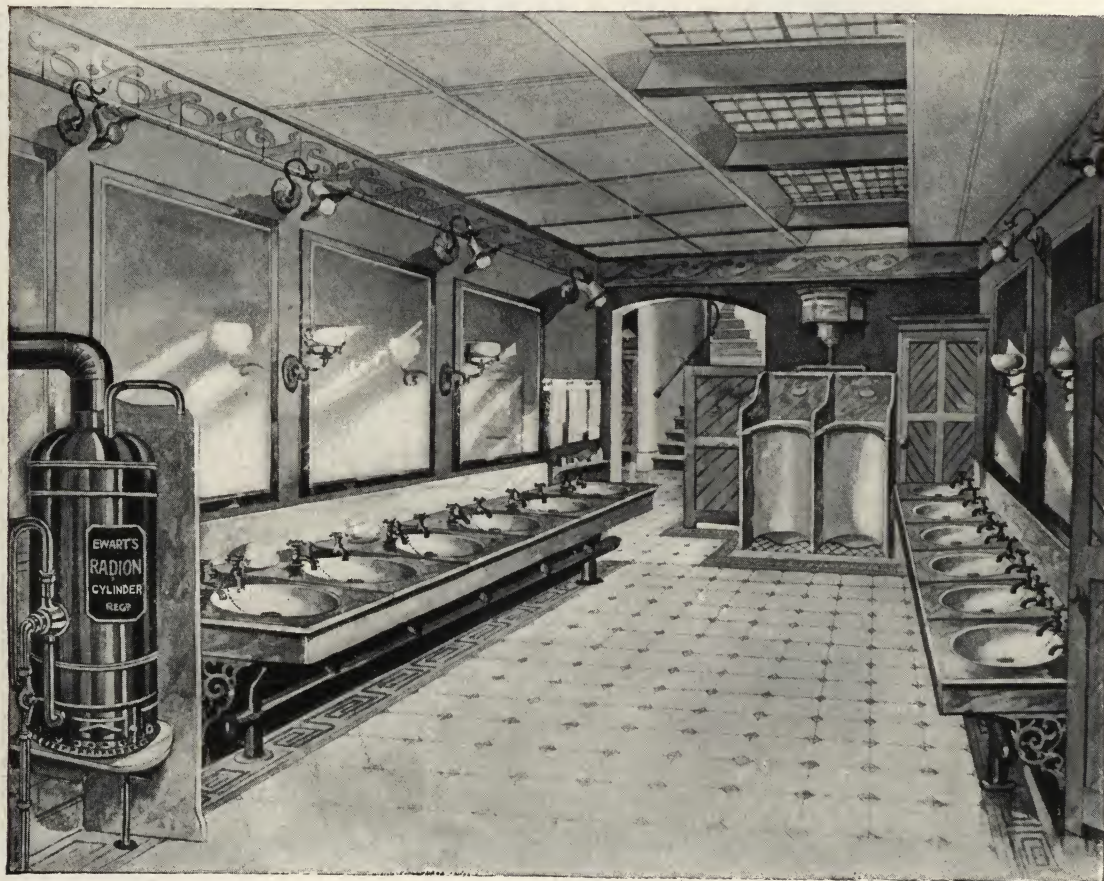
Patented.

"Sealed" System.

Registered.

## Interior of Underground Convenience.

Most of the principal conveniences in London and the Provinces are now fitted with Ewart's Water Heaters.



Hot water service from "Radion" Cylinder fitted with "Ewart" Patent "Heat Regulating Valve," supplying range of Lavatory Basins.

The bottom of the supply cistern (waste water preventer size with ball valve, large enough to allow a sufficient quantity of water to pass) need only be 6 in. above the top of the Cylinder.

The gas supply should be  $\frac{1}{2}$  in. or  $\frac{3}{4}$  in. inside diameter.

The hot water supply may be taken by one direct supply pipe with the necessary branches.

The "Radion" Cylinder may be placed as illustrated, either on the same level as the basin or in an upper or lower floor, provided there is sufficient head of water pressure.

The "Ewart" Patent "Heat Regulating Valve" prevents the over-heating of the water and maintains an ample supply for immediate use to any number of basins.



# Ewart's "Radion" Cylinder.

Patented.

Registered.

Hot Water Instantly Available Night or Day.



Hot Water is always available for Bran Mashs, Fomentations, etc., and also for a range of Lavatory Basins for stablemen's use.

This installation for stable purposes was recently fitted up for one of the London Borough Councils, where a very large quantity of hot water was required.

By the action of the Ewart "Heat Regulating Valve," an ample supply of hot water for the smallest consumption of gas is instantly available.

For prices of the "Radion" Cylinder see page 56.

# Ewart's "Radion" Cylinder.

Patented.

Registered.

The "Radion" Cylinder is a combination of the "Radion" Circulator and a hot water storage cylinder. It is a simple and ready means of maintaining quantities of hot water ready for instant use, such as may be required for a number of lavatory basins or baths.



Illustration showing "Radion" Cylinder, fitted with Heat Regulating Valve.

The addition of the Ewart "Heat Regulating Valve" prevents any waste of gas. When the water is hot, the valve reduces the gas to a small pilot flame. Immediately the temperature is lowered by the drawing off of hot water the gas is automatically turned up.

The body of the "Radion" Cylinder is made entirely of hardened Copper, bright polished outside. Brass flanges are provided, screwed to receive 1 inch iron barrel, powerful atmospheric burner is fitted, with cast iron stand and brass gas tap complete.

The "Radion" Cylinder is tested to stand a water pressure of 30 lbs. to the square inch, and may be used with 50 feet head of water. It will work equally well without pressure, and the bottom of the supply cistern need only be 6 ins. above it.

It will be observed that the "Radion" Cylinder differs from a Geyser, and all the water must be heated before any hot water can be drawn off. It holds a storage of hot water ready for immediate delivery to a number of taps.

List No.	Capacity. gallons.	Diameter. inches.	Height. inches.	Gas supply inside Diam. inches.	Suitable for	Plain Pattern. £ s. d.	With the Heat Regulating Valve. £ s. d.
1	10	15	33	$\frac{1}{2}$	2 lavatories	6 12 6	7 10 0
2	15	15	42	$\frac{1}{2}$	4-6 "	7 12 6	8 10 0
3	20	15	50	$\frac{3}{4}$	6-8 "	8 12 6	9 10 0
4	30	18	52	$\frac{3}{4}$	8-12 "	13 13 0	14 14 0
5	40	18	60	$\frac{3}{4}$	12-15 "	14 14 0	16 16 0

Larger sizes, up to 200 gallons capacity, for public institutions, &c., made to order. Prices upon receipt of details.



# Ewart's "Victor" Fuel Geyser.

Patented.

"Sealed" System.

Registered.

A powerful Geyser rapidly heating  
large quantities of Water  
with small Consumption of Fuel.

Ewart's "Victor" Fuel Geyser is specially adapted for Country Houses and districts where a supply of gas or oil cannot be readily obtained, and is suitable for heating water for the Bath and other purposes, such as Stables, Kennels, etc.

Either coal or wood may be used, whichever is most convenient, and to put the Geyser in operation it is only necessary to lay a wood or coal fire and apply a match; in efficiency the "Victor" Fuel Geyser compares most favourably with the best Gas Geysers.

Constructed to heat about 3 gallons per minute, a hot Bath may be obtained in from 10 to 15 minutes from the time of lighting the fire.

Wood as fuel gives the best results. The grate is constructed to hold sufficient fuel to heat enough water for a full size Bath; and it will be found that after lighting the fire and turning on the cold water supply, little or no further attention is required until the Bath is filled.

The water chambers of Ewart's "Victor" Fuel Geyser are made throughout of stout hardened Copper, and the water is sealed from contact with smoke or fumes from the burning fuel. If the Geyser is required for providing water for drinking, it is recommended that the water chambers should be tinned inside.

The grate is entirely surrounded (with the exception of the small cast-iron door through which the grate is filled) by a jacket of cold water, thus ensuring the maximum efficiency for fuel consumed, and prevents the Bathroom being heated.

Ewart's "Victor" Fuel Geyser is finished—the cast-iron base and door in black enamel, the body of Geyser in bright polished Copper, with polished brass inlet union and outlet pipe.

Mounted on a stout cast-iron tray, giving clear air space under both tray and Geyser, no masonry or cement base is required.



Made in one size only.

Price - - £6 15s. 0d.

Extra if Water Chambers are tinned inside. 17s. 6d.

## SPECIAL VENTILATING APPLIANCES FOR EWART'S FUEL GEYSER.

Ewart's double jacketed vent pipe, made of stout galvanized iron, 5/- per 2-ft. length.  
Double jacketed square or obtuse hand-made Elbows, made of stout galvanized iron, 4/6 each.  
Vent Caps, made from stout galvanized iron, 4/- each.  
Full way "H" pieces, made from stout galvanized iron, 13/6 each.

NOTE.—Baffles are not supplied for use with the "Fuel" Geyser.

# Ewart's "Victor" Oil Geyser.

Patented.

"Sealed" System.

Registered.

## The Popular Oil Geyser.

The "Victor" Oil Geyser is designed to supply a compact and thoroughly efficient "Sealed" System Oil Geyser, suitable for heating or boiling water for all purposes, easily fixed in country districts where skilled labour is difficult to obtain. These advantages, combined with its low comparative cost, have earned for it a reputation as the Popular Oil Geyser.

The "Victor" Oil Geyser is constructed (with the exception of the Stand and Stove) of stout hardened Copper throughout; the water chambers are sealed from contact with the fumes rising from the burning oil, and carefully coated with pure tin. The water therefore issues from the spout as pure as it enters the machine, may be raised to boiling point, and used for drinking and cooking purposes as well as for the bath.

The "Victor" Oil Geyser is mounted on a handsome cast-iron Stand fitted with a powerful Lamp Stove, burns ordinary paraffin, without wick, smoke or smell, gives an intense heat with a small consumption of oil, and the most satisfactory results from the oil burnt.

## Sizes and Prices.

List No.		*Heats per minute.		Boils per minute about		Diameter inches.		Height, including stand, inches.		Prices.
										£ s. d.
50	..	2 galls.	..	2 quarts	..	10½	..	51	..	<b>4 12 6</b>
51	..	4 galls.	..	1 gall.	..	14	..	60	..	<b>8 15 0</b>

The above prices include the Wickless Lamp Stove and Ornamental Cast Iron Stand of Registered design.

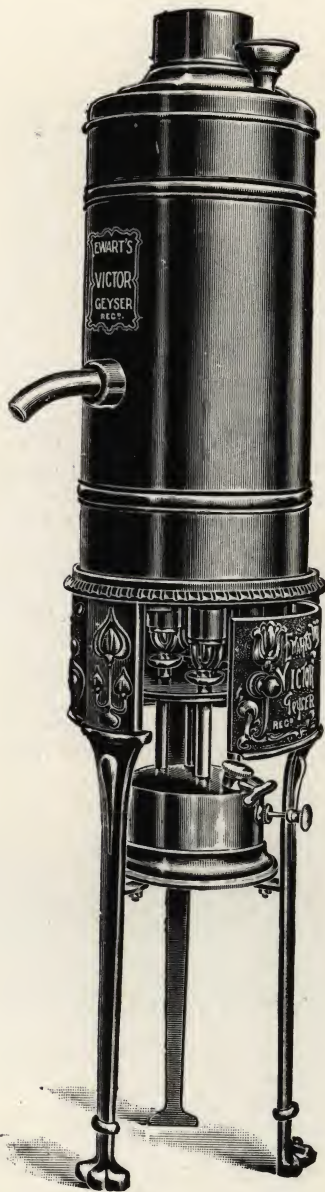
\* The temperature of the water flowing at the above rates per minute is raised 38° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of stream.



# Ewart's "Victor" Oil Geyser.

Patented and Registered.



"Sealed"  
System.

Low  
Price.

## The Popular Oil Geyser.

# Ewart's "Success" Oil Geyser.

## Pattern "L"

### "Sealed" System.

Patented.

Specially adapted for use in Country Houses where Gas cannot be obtained.

The difficulties of obtaining hot water for bathing and domestic use in Country Houses where gas is not available, are many, and often insurmountable. The Kitchen Boiler with its circulating pipes is difficult and expensive to fix, and where installed invariably fails to give a satisfactory supply of hot water for the Bath, which would add so much to the comfort of the household.

The acknowledged merit of Ewart's Gas Geysers, producing an instant and unlimited supply of hot or boiling water for all purposes at any time of the night or day, has developed a demand for a similar system for districts where gas cannot be obtained or is high in price.

Ewart's Oil and Fuel Geysers may be easily fixed in the Bathroom or any position where a supply of cold water, from main or tank, can be obtained, whilst the rapidity of heating compares most favourably with the best Gas Geysers.

By the introduction of a special Oil Stove, a very high degree of efficiency can be obtained at a small cost for fuel.

The stove burns ordinary paraffin, such as is used for lighting purposes, gives a clear atmospheric flame without wick, smoke or smell, free from the objections so common to wick lamps, ensuring safety and cleanliness in use, and its operation is simple and readily understood. The quantity of oil required for sufficient water for a warm Bath is about one pint.

The "L" Pattern "Success" Oil Geyser is constructed on a similar model to our well-known "Lightning Geyser," but adapted to heat by oil instead of by gas.

The "Success" Oil Stove burns ordinary paraffin without wicks, with a clear, atmospheric gas flame giving intense heat.

The construction of the "Success" Oil Stove ensures safety and cleanliness in use, its operation is simple and easily understood, and it has none of the objections common with ordinary wick lamps, which are never satisfactory on account of smoke, soot, insufficiency of heat, and the constant trouble of regulating and trimming the wicks.

The "L" Pattern "Success" Oil Geyser is constructed on the "Sealed" System, the water may therefore be raised to boiling point and used for drinking or cooking purposes as well as the bath.

The Geyser is made throughout of stout hardened Copper, and the water chambers are carefully coated with pure tin. The outside is highly polished and lacquered.

Each Geyser is supplied complete with "Success" Oil Stove and cold water inlet tap.

## Sizes and Prices.

List No.	Heats per minute.	Boils per minute.	Diam. inches.	Height inches.	Number of Burners fitted to "Success" Lamp Stove	Prices. £ s. d.
4 "L"	1 gall. ..	1 pint ..	9 ..	38 ..	2 ..	6 6 0
3 "L"	2 galls. ..	2 pints ..	11 ..	42 ..	4 ..	8 8 0
2 "L"	3 galls. ..	4 pints ..	13 ..	46 ..	6 ..	10 10 0
1 "L"	4 galls. ..	6 pints ..	14½ ..	47 ..	8 ..	12 12 0
0 "L"	8 galls. ..	12 pints ..	20 ..	60 ..	Special Burner	26 5 0

The No. 4 "L" Pattern is suitable for a lavatory basin and positions where small supplies only of hot water are required. It is not suitable for bath use.

The temperature of the water flowing at the above rates per minute is raised 38° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of stream.



# Ewart's "Success" Oil Geyser.

Pattern "L."

"Sealed" System.

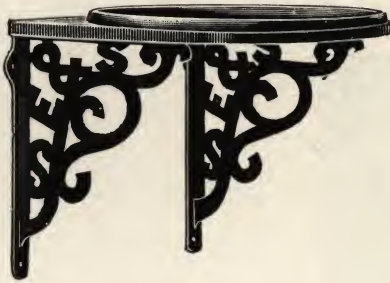
Patented.



A Hot Bath at any time, whenever wanted, without the trouble of lighting fires.  
Boiling Water for all purposes.

# Stands and Brackets.

## Cast Iron Shelf and Brackets.

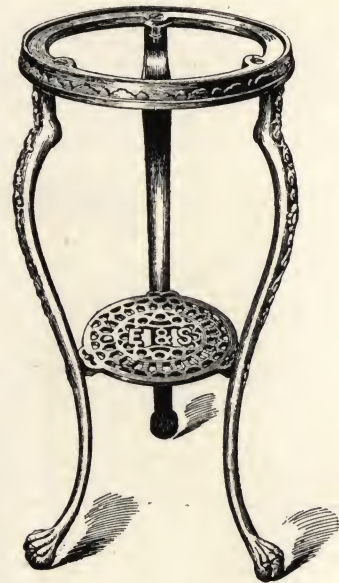


		Japaned Black. s. d.	Porcelain Enamelled. s. d.
No. 11.—For No. 4 "Lightning" Geyser, No. 40 "B Califont" .. ..		3 6	—
No. 12.—For No. 3 "Lightning" Geyser, "I" size "Champion" Geyser, 30 "Surprise" Geyser, No. 1 "Royal" Geyser, 41 "B Califont" .. ..		4 0	8 6
No. 13.—For No. 2 "Lightning" Geyser, "O" size "Champion" Geyser, 50 "Surprise" Geyser, No. 2 "Royal" Geyser, 42 "B Califont" .. ..		5 0	9 6
No. 14.—For No. 1 "Lightning" Geyser, "U" size "Champion" Geyser, 43 "B Califont" .. ..		6 0	10 6

## "Artistic" Geyser Stand.

**Antique Copper Finish.**

No. 22.—For No. 3 "Lightning" Geyser, "I" size "Champion" Geyser, No. 30 "Surprise" Geyser, or 41 "B Califont" .. ..	£	s.	d.
	1	0	0
No. 23.—For No. 2 "Lightning" Geyser, "O" size "Champion" Geyser, No. 50 "Surprise" Geyser, or 42 "B Califont" .. ..	1	5	10



## "Victor" Floor Stand.

**Top ring, upper part of stand, best White Porcelain Enamelled,  
and the lower part Aluminium Finish.**

No. 1.—For 2½ gallon size "Victor," and 2 gallon size "Triumph" .. ..	7	6
No. 2.—For 4 gallon size "Victor" and "Triumph" .. ..	12	6



## No. 31 Cast Iron Geyser Stand,

**Finished Gold Bronze.**

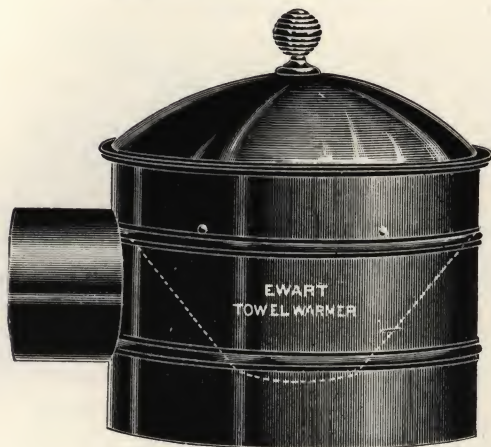
Height, 18½ inches, diameter at top 13 in.

Suitable for  
No. 4, No. 3, No. 2 size "Lightning" Geysers; "E," "I," "O,"  
size "Champion" Geysers; 30 and 50 size "Surprise" Geysers;  
No. 1 and No. 2 size "Royal" Geysers; 40, 41, 42 "B Califonts."

	Price.	s.	d.
No. 31 .. ..	10	0	

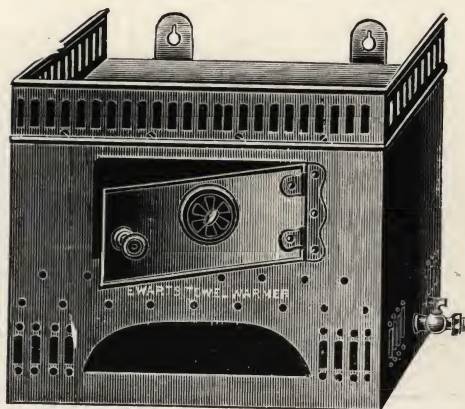


## Towel Warmer For Top of Geyser.



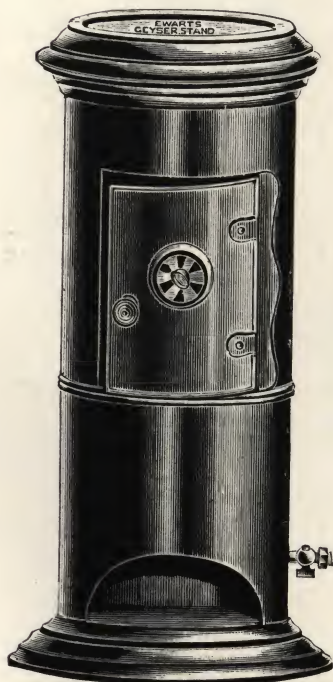
Will hold 3 or 4 Towels.  
Price 15/-

## Towel Warmer and Stove. No. 3.



Will hold 5 or 6 Towels.  
Copper, bright polished. Price £3 0 0  
DIAMETER :—  
Length, 1 ft. 6 in. Depth, 9 in. Height, 1 ft. 4½ in.

## Bathroom Stove and Geyser Stand. Also for Warming Towels.



No. 2.—Height, 3 ft. 4 in.  
Price £3 15 0

Made throughout of  
hardened Copper,  
and polished.

By means of a single gas  
jet left alight in this Stove  
a Bathroom may be com-  
fortably warmed and the  
frost in winter kept out  
of pipes and geysers.



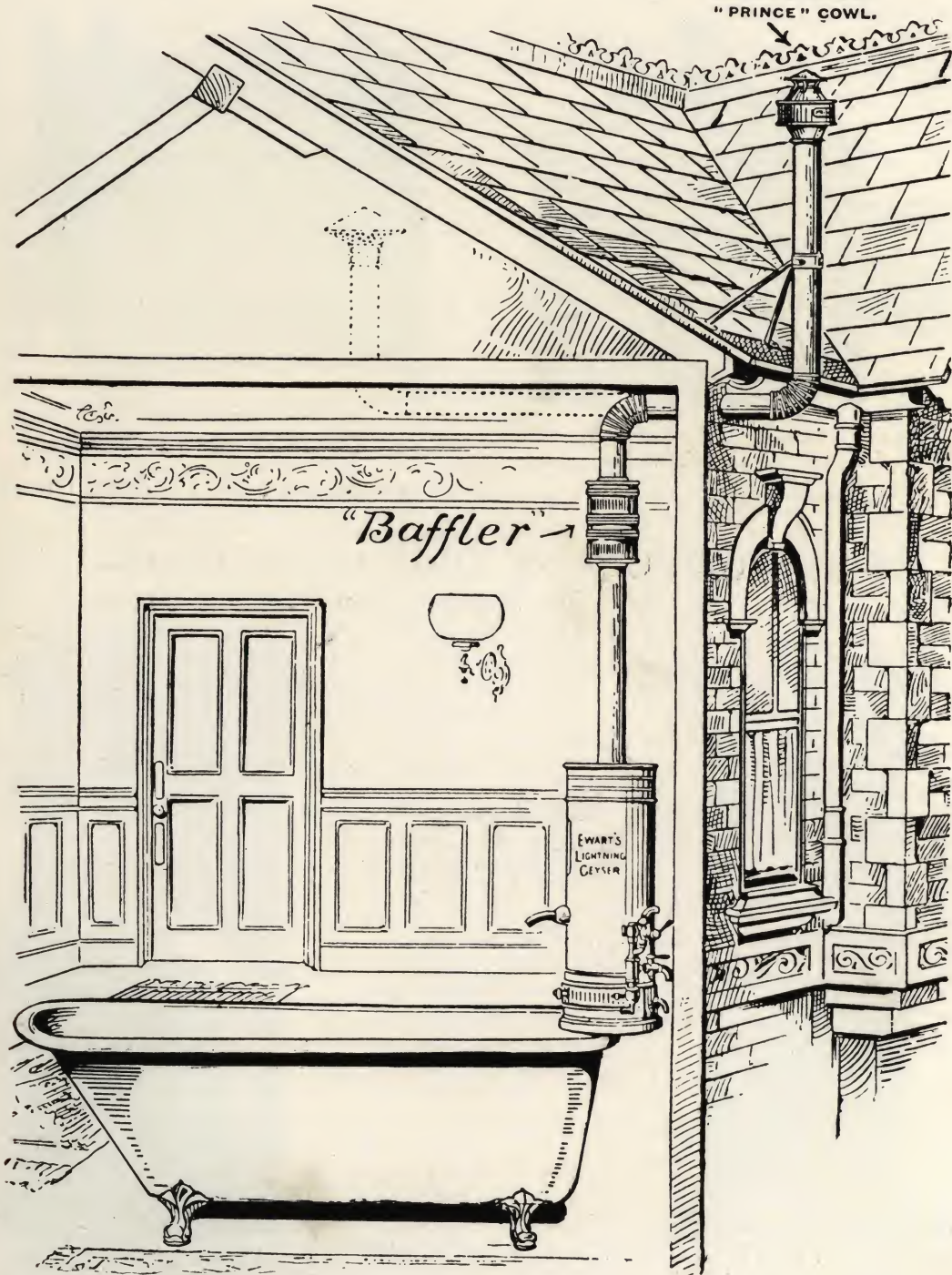
No. 1.—Height, 2 ft. 3 in.  
Price £3 10 0

When ordering state for which size and pattern Geyser required.



# Ventilation of "Ewart" Geysers.

EWART'S PATENT  
"PRINCE" COWL.



Prices of Vent Pipe, Elbows, Bafflers, etc., will be found on pages 66 and 67.



# Ventilation of "Ewart" Geysers.

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The vent pipe connected to a Ewart Water Heater must always be throughout its entire length the same diameter as the vent socket on the geyser, and the outside cowl must allow an area for the escape of the fumes equal to twice the area of the vent pipe. The vent pipe should always be socketed so that the upper length fits inside the length below.

The ventilating pipe should be of Copper or Sheet Iron. Cast iron vent pipe should never be used.

The vent pipe should be carried direct from the top of the geyser as high as possible inside the bathroom so as to allow the fumes to rise direct from the heaters.

At the level of the bathroom ceiling the vent pipe should be continued into a chimney flue if one is available, provided the fire-place is on the same floor level as the water heater. If there is no chimney flue the vent pipe may be continued into a false roof overhead, and terminated with a Mushroom Cowl, provided there is sufficient area in the false roof.

If the false roof is felted or cemented, an air brick should be inserted communicating with the outside air.

If neither a chimney nor a false roof is available the vent pipe should be continued through the wall turned up outside with an elbow and continued upwards, terminating with a "Mushroom" Cowl, "Prince" Cowl, or full-way "H" piece on top.

If a down draught is experienced, as is very often the case when the vent pipe is taken outside or into a false roof, a Baffler should be fitted at the highest point inside the bathroom as indicated on the sketch on the opposite page. To be effective, the Baffler must be fixed at the highest point inside the bathroom.

In connecting up a vent pipe, corrugated round elbows (see page 67) should always be used, as these offer no impediment to the escape of the fumes.

In case of any difficulty we shall be pleased to advise the easiest method of fixing a vent pipe if favoured with full particulars and rough sketch showing the position in which the geyser is to be fixed.

Prices of Vent Pipe, Elbows, Bafflers, etc., will be found on pages 66 and 67.

# Ewart's Geyser Ventilating Appliances.

## Ewart's "Baffler."

	2½ in.	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	10 in.
Galvanized iron, enamelled and stoved .. ..	7/6	9/6	9/6	9/6	9/6	16/-	21/-	30/-	42/-
Galvanized iron .. ..	7/-	9/-	9/-	9/-	9/-	15/-	20/-	29/-	40/-
Polished Copper, lacquered .. ..	12/-	17/-	18/-	19/-	20/-	30/-	36/-	45/-	60/-

## Ewart's "Prince" Cowl.

Patent.

Galvanized iron—	2½ in.	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	10 in.
	4/-	4/6	6/-	7/-	8/-	11/6	17/-	20/-	23/6
Hardened Copper—									
—	8/6	10/6	12/6	16/-	27/-	39/-	48/-	57/-	

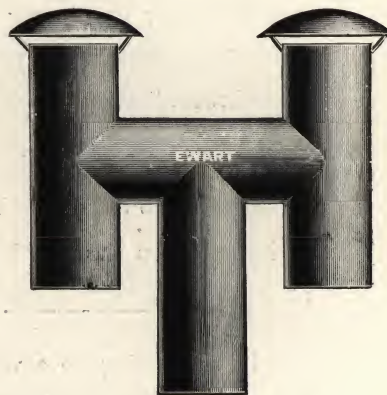


## Ewart's "Mushroom" Cowl.

	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.
Galvanized iron, enamelled and stoved .. ..	3/6	3/6	3/6	3/6	5/6	7/-	9/6	14/6	18/-
Zinc .. ..	3/2	3/2	3/2	3/2	4/9	5/6	8/-	11/6	15/-
Polished Copper, lacquered, without perforation	6/-	7/-	7/6	9/-	11/6	14/-	19/-	25/-	33/-

## Ewart's "H" Piece.

	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.
Galvanized iron enamelled and stoved .. ..	8/6	9/6	10/-	11/6	15/-	20/6	25/-	34/-	37/6
Galvanized iron .. ..	8/-	9/-	9/6	11/-	13/-	18/-	22/-	30/-	32/6
Polished Copper, lacquered .. ..	17/-	18/6	20/-	22/-	25/-	37/-	46/-	62/-	73/-



## Ewart's "Hythe" Cowl.

	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.
Quality A, Galvanized iron, enamelled and stoved .. ..	4/6	4/6	4/6	5/-	10/-	11/6	14/-	17/-	25/-
Quality B, Galvanized iron .. ..	4/-	4/-	4/-	4/6	8/-	9/-	10/6	14/-	20/-
Quality C, Copper .. ..	8/-	8/6	9/6	10/-	19/-	25/-	29/-	39/-	53/-



# Ewart's Improved Corrugated Elbows.



The improved corrugated round elbows are specially designed for use with geysers and offer no impediment to the free passage of the fumes. They are most durable.

This pattern elbow only should be used for ventilating geysers.

	2½ in.	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	10 in.
Made of black iron, galvanized after made, and fume-tight, and enamelled and stoved, stone colour .. ..	1/4	1/8	1/8	1/9	2/-	3/-	3/9	15/-	18/6
	13/-	17/-	17/6	20/-	21/-	34/-	41/-	170/-	210/-
Made of black iron, galvanized after made, fume-tight, not enamelled ..	1/-	1/3	1/3	1/6	1/6	2/4	2/9	12/-	15/-
	10/-	12/-	12/6	15/-	16/-	26/-	30/-	138/-	170/-
Made of Copper, polished and lacquered	3/-	4/-	4/6	5/6	6/6	9/4	11/-	26/-	30/-
	30/-	40/-	48/-	56/-	68/-	100/-	130/-	300/-	345/-

Prices for smaller sizes for stoves, etc., on application, also prices for elbows made in black iron not galvanized. Special quotations for large quantities.

## Ventilating Pipe.



In 2 ft. lengths.

	2½ in.	3½ in.	4 in.	4½ in.	5 in.	6 in.	7 in.	8 in.	10 in.
Made of galvanized iron, enamelled and stoved, stone colour .. each	1/-	1/2	1/3	1/4	1/5	2/7	3/2	3/10	4/8
Per dozen	11/-	13/-	14/-	14/6	15/-	28/-	35/-	42/-	52/-
Made of galvanized iron, not enamelled .. .. each	8d.	9d.	10d.	11d.	1/-	1/10	2/4	2/10	3/4
Per dozen	7/-	8/-	9/-	9/6	10/-	19/-	25/-	30/-	36/-
Made of Copper, polished and lacquered .. .. each	3/9	4/3	4/6	4/9	5/-	10/-	12/9	18/-	23/-
Per dozen	42/-	48/-	50/-	52/-	56/-	112/-	145/-	205/-	260/-

Prices for other sizes and vent-pipes made of black iron and black iron galvanized after made on application. Special quotations for large quantities.

3½ in. pipes are suitable for—

No. 4 "Lightning" Geyser.  
 "E" size "Champion" Geyser.  
 40 "B Califont."  
 No. 4 "L Success" Geyser.

4½ in. pipes are suitable for—

No. 2 "Lightning" Geyser.  
 "O" size "Champion" Geyser.  
 No. 2 "Royal" Geyser.  
 50 "Surprise" Geyser.  
 42 "B Califont."

No. 2 "L" and No. 22 "C Success" Geysers.  
 "Elite" Geyser.  
 "Supreme" Geyser.

4 in. pipes are suitable for—

No. 3 "Lightning" Geyser.  
 "I" size "Champion" Geyser.  
 No. 1 "Royal" Geyser.  
 30 "Surprise" Geyser.  
 41 "B Califont."

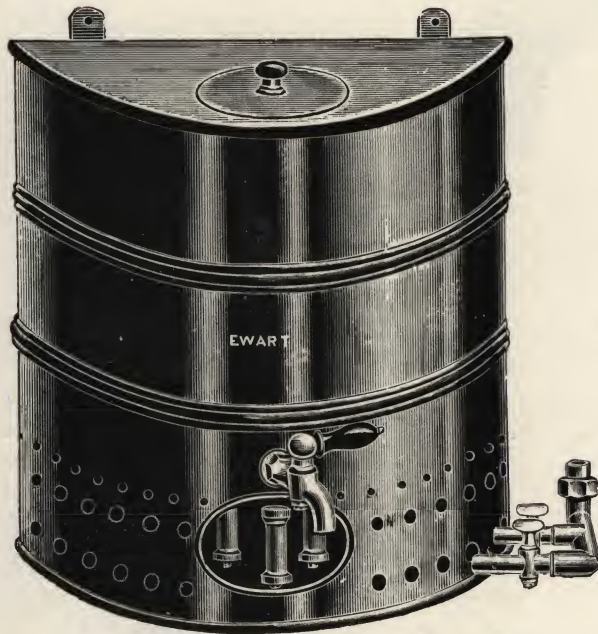
No. 3 "L" and No. 23 "C Success" Geysers.  
 "Victor" Geyser.  
 "Triumph" Geyser.

5 in. pipes are suitable for—

No. 1 "Lightning" Geyser.  
 "U" size "Champion" Geyser.  
 43 "B Califont."

No. 1 "L" and No. 21 "C Success" Geysers.

# Ewart's Gas Boilers.



## The "Flat-Back" Boiler.

For use in Lavatories, Hairdressers' shops, etc.

Filled by hand, as illustrated, or self-filling.

Made of solid Copper, the inside coated with pure tin, the outside highly polished and lacquered.

	Capacity.		Weight.		Prices.			
	galls.		lbs.		£	s.	d.	
No. 1 ..	5	..	14	..	2	10	0	
No. 2 ..	10	..	20	..	3	0	0	

Extra for Brass Towel Rail, 7/6.

Self-filling, and with union arranged for connection to lavatory or other taps. **1' extra.**

## The "Albany" Boiler.

**A powerful Boiler, heated by gas, for connection to circulating pipes.**

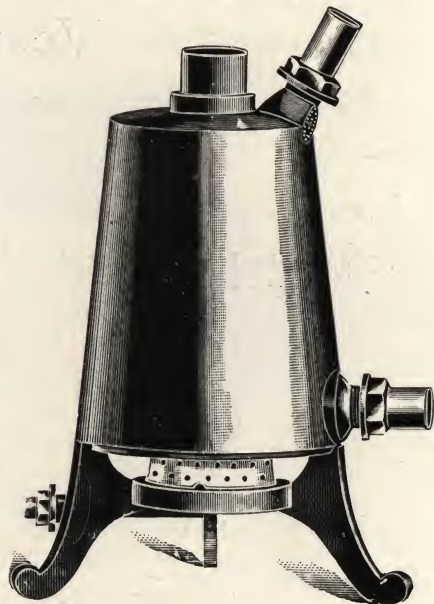
For heating Coils, Hot Water Pipes or Radiators, in halls, conservatories, bath cylinders, etc.

The "Albany" Boiler may be fitted to existing pipes, and takes the place of the kitchen fire, or connected to a coil in a hot water cylinder will be found a convenient method of obtaining hot water.

Made of stout hardened Copper, with powerful fire-clay atmospheric burner, and fitted with brass connections for attaching to pipes.

Tested to 10 lbs. pressure, and will work with 16 ft. head of water.

Larger sizes, or to stand greater pressure, quoted for on application.



	Diameter		Height		Connections		To Heat		Weight		Gas supply.		Prices.
	at base		of body		ins		2 in. pipe		lbs.		ins.		£ s. d.
No. 1	8 $\frac{1}{4}$	..	9	..	$\frac{3}{4}$	..	60	..	16	..	$\frac{1}{2}$	..	4 14 6
No. 2	9 $\frac{3}{4}$	..	10	..	1	..	85	..	24	..	$\frac{1}{2}$	..	5 15 6
No. 3	10	..	12	..	1	..	120	..	26 $\frac{1}{2}$	..	$\frac{5}{8}$	..	6 16 6
No. 4	13	..	14	..	1 $\frac{1}{4}$	..	180	..	47 $\frac{1}{2}$	..	$\frac{3}{4}$	..	8 8 0
No. 5	13	..	16	..	1 $\frac{1}{2}$	..	250	..	54	..	$\frac{3}{4}$ or 1	..	9 19 6

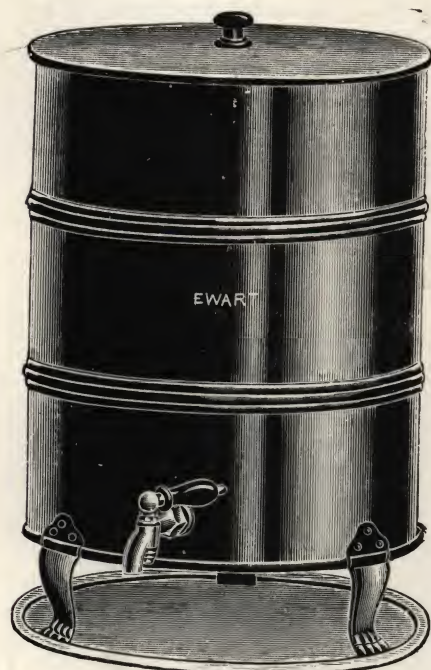


# Ewart's "Simplex" Steam and Gas Boilers Combined.

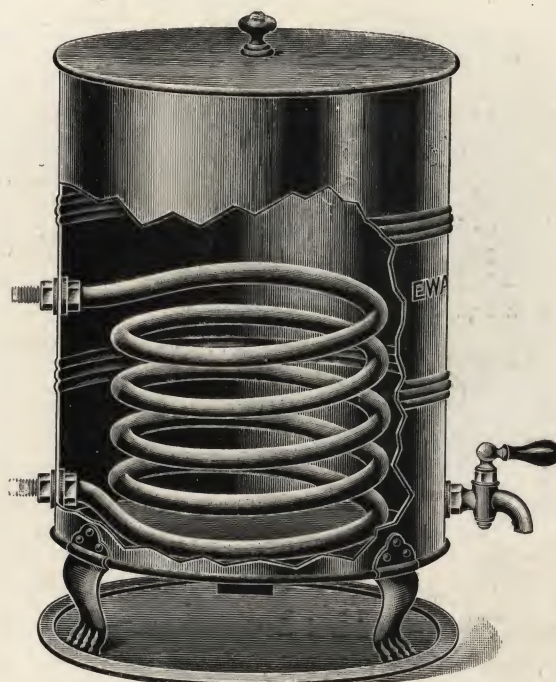
These Boilers are arranged to heat by steam where available or by gas and steam.

The Boiler consists of a Copper Container carefully coated with pure tin on the inside, and highly polished and lacquered on the outside, with varying capacities to suit requirements.

Where adapted to steam it is fitted with a tinned copper coil, or if required in addition to be gas heated, is fitted with a powerful cast iron atmospheric burner.



No. 1.—For Gas only.



No. 2.—For Steam and Gas combined—  
may be fitted for Steam only.

Suitable for supplying hot or boiling water for workshop use, restaurants, factories, etc.

No.	Capacity.	To heat by Gas.			To heat by Steam.*			To heat by Gas and Steam.		
		£	s.	d.	£	s.	d.	£	s.	d.
1	5 gallons	1	19	0	2	9	0	2	19	0
2	10 "	2	4	6	2	15	6	3	7	0
3	20 "	3	17	6	4	17	0	5	16	0
4	30 "	5	5	0	6	11	6	7	17	6
5	40 "	7	0	0	8	15	0	10	10	0

Extra draw-off taps may be fitted, 7/6 each.

The Gas-heated Boilers with a good gas supply will boil the water in about two hours.

When ordering for Steam Heating, the pressure of steam available should be stated with the order.

The Boilers arranged for Steam Heating are very rapid if a good supply of steam is available.

\* No stand or gas burner supplied with this pattern.



# The "Ewart" Gas Copper.



## Pattern "A" and "B."

The modern housewife demands modern appliances, and the house fitted up in the most modern fashion is the house upon which her choice falls.

Ewart's Gas Coppers strongly appeal to the modern housewife—freedom from smoke, soot and ashes, absence of steam (which is carried away through the ventilating pipe) economy of space and of fuel, the easy manner of lighting, rapid heating, and easy regulation of the temperature of the water, are advantages over the old-fashioned bricked-in Coal Copper which are greatly appreciated.

## Specification.

Approximate Dimensions.

**10-Gallon Copper**, 20 in. diameter, 29 in. high. Pan made of **solid Copper, tinned inside**, outside casing of stout sheet iron, top galvanized cast iron. Flue arranged to take away the steam and fumes from the gas. Fitted with powerful Bunsen burner, and galvanized flue, as shown, complete.

Price ... £2 2s. 0d.

**Pattern "B"** similar to Pattern "A," but with **porcelain enamelled** outer casing, very powerful duplex burner and Copper lid.

Price ... £4 11s. 0d.

## "Corner" Pattern.

Patent No. 19694.

Reg. No. 637966.

The Ewart "Corner" Gas Washing Copper, as shown by illustration, possesses the advantage of fitting closely into a corner, ensuring a very neat appearance when fixed.

There is no space between the top of the copper and the wall for the accumulation of dirt.

The side flanges prevent water from running over top plate and down the walls.

The Copper Lid will be found much more durable than the usual Galvanized Iron Lid, and there is no danger of Lid rusting.

## Specification.

Approximate Dimensions.

**10-Gallon Copper**, 24 in. wide, 29 in. high. Pan made of **solid Copper, tinned inside**, outside casing of stout galvanized sheet iron, top galvanized cast iron, with galvanized iron lid. Flue constructed to take away both the steam and fumes from the gas. Fitted with powerful Bunsen burner, length of galvanized flue pipe and elbow, as shown, complete.

Price ... £2 4s. 9d.

<b>Extras.</b> — $\frac{3}{8}$ in. draw-off tap from side	...	10/-
$\frac{1}{8}$ in. tap, connected from bottom of boiler pan with solid drawn copper tube	...	19/6
Very powerful duplex burner	...	10/6
Copper Lid	...	10/6



## "Corner" Pattern.

Patent No. 19694.

Reg. No. 637966.



# The "Ewart" Gas Copper.

There is Economy of Space, Saving in Fixing and an Advantage in Price.

## Specification.

Approximate Dimensions.

**10-Gallon Copper**, 20 in. diameter, 29 in. high, mounted on high legs. Pan made of **solid Copper, tinned inside**, outside casing and lid of stout galvanized sheet iron, top galvanized cast iron. Flue constructed to take away both the steam and fumes from the gas. Fitted with powerful Bunsen burner, length of galvanized flue pipe and elbow as shown, complete.

Price .... £2 4s. 9d.

<b>Extras.</b> — $\frac{3}{4}$ in. draw-off tap from side ..	10/-
$\frac{7}{8}$ in. tap connected from bottom of boiler pan with solid drawn Copper tube ..	19/6
Very powerful duplex burner ..	10/6
Copper lid .. ..	10/6

Pattern  
"C."



Pattern "D."



## Specification.

Approximate Dimensions.

**10-Gallon Copper**, 20 in. diameter, 29 in. high. Pan made of **solid Copper, tinned inside**, outside casing and lid of stout galvanized sheet iron, top galvanized cast iron. Flue constructed to take away both the steam and fumes from the gas, and fitted with powerful Bunsen burner, complete.

Price .... £1 17s. 6d.

<b>Extras.</b> — $\frac{3}{4}$ in. draw-off tap from side ..	10/-
Copper lid .. ..	10/6

# Ewart's Urns.

The "Universal" Urn.

The "Standard" Urn.



No.	Galls.	Copper.			Copper. Nickel-plated.		
		£	s.	d.	£	s.	d.
1	2	2	8	0	3	5	3
2	3	2	17	3	3	13	6
3	4	3	7	6	4	7	0

Cheaper Pattern of slightly different shape.

No.	Galls.	Copper			Copper, Nickel-plated.		
		£	s.	d.	£	s.	d.
4	1	1	6	0	1	18	0
5	2	1	11	6	2	6	9
6	3	1	18	6	2	16	0

No.	Galls.	Copper.			Copper with Earthenware Jar.			Copper with Earthenware Jar. Nickel-plated.		
		£	s.	d.	£	s.	d.	£	s.	d.
1	1	3	2	6	4	3	0	6	6	6
2	2	3	18	6	5	6	6	7	0	0
3	3	4	15	0	6	4	6	8	3	6
4	4	5	11	6	7	1	0	8	18	0
5	5	6	4	6	8	4	6	10	7	0
6	6	7	3	6	8	17	0	12	10	0

## Tea Urn.

With Loose Stand and Strainer.

Prices.					Polished Copper and Brass Handles.		
		Best Blocked Tin.			£ s. d.		
		£	s.	d.			
2 gallons	..	..	..	..	16	6	2 0 9
2½	..	..	..	..	17	9	2 4 6
3	..	..	..	..	19	6	2 6 9
4	..	..	..	..	1	0 9	2 10 0
5	..	..	..	..	1	2 6	2 13 6
6	..	..	..	..	1	5 6	2 19 6





# Ewart's Gas-Heated Towel Rails.

ENTIRELY SELF-CONTAINED.

Adapted for positions where it is not convenient or desirable to connect to circulating pipes.

## EWART'S "EUSTON" TOWEL RAIL

Patent.

The "Euston" Patent Towel Rail is modelled on the construction of the well-known "Euston" Radiator.

It is placed in position, filled with water, and connected by a small pipe to the nearest gas supply. It can then be heated very quickly, quite independently of kitchen fire, and the heat is easily regulated by the turning of a tap.

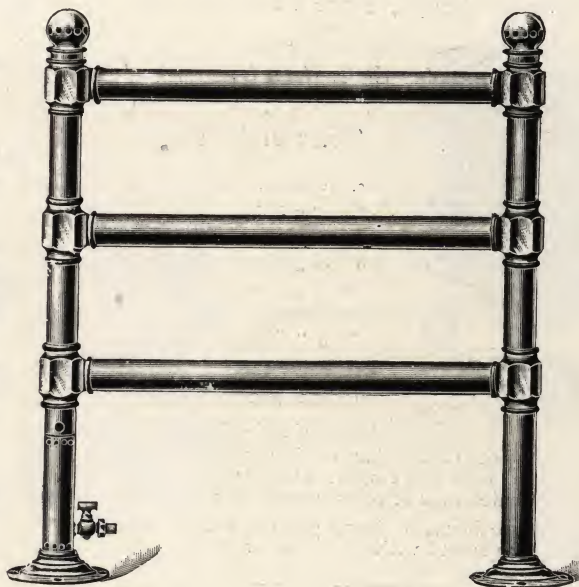
Made of stout solid drawn brass tubes,  $1\frac{1}{2}$  in. (38m/m) diameter, with heavy cast brass connections and brazed joints. A Towel Rail of exceptional durability and finish.

Dimensions :

3 ft. (0m91) high  $\times$  3 ft. 6 in. (1m07) wide.

Price :

Complete, heavily nickel-plated, £6 16s. 0d.



## EWART'S "AIRER" TOWEL RAIL.

Patent.

Heats the bathroom, dries and warms the towels, airs and warms the clothes. Costs 1d. for gas for six hours use. No cost or trouble to fix, no attention beyond occasionally filling with water, connected to nearest gas supply—why not fix one in the bathroom?

The enjoyment of a Hot Bath is often spoiled by the low temperature of the bathroom and the uncomfortable chill caused by putting on cold clothing. A warm bathroom with dry warm towels ready for use, and well-aired clothing to put on after the bath, appeals to everyone, but the ways and means, as well as expense, have made it almost impossible for these comforts to be enjoyed in the average household. For a small initial outlay and running cost, it is now possible to secure these "Bathroom Comforts."

Gas consumption about 5 cubic ft. per hour.

Made throughout of solid drawn brass tube.

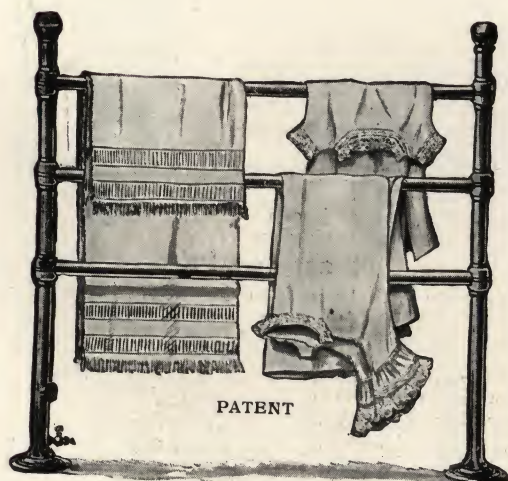
Price :

Complete with gas tap and union, heavily nickel-plated

£3 15s. 0d.

Dimensions :

3 ft. high  $\times$  3 ft. 6 in. wide.





# Ewart's Boilers.

To Heat by Oil or Fuel.

## Ewart's "Camp" Boiler

(Patent)

For Military Camps, Race Meetings, etc.



Boils Water for Drinking.

### Sizes and Prices.

No.	Capacity.	£	s.	d.
1	5 galls.	8	8	0
2	10 galls.	10	10	0
3	15 galls.	12	12	0

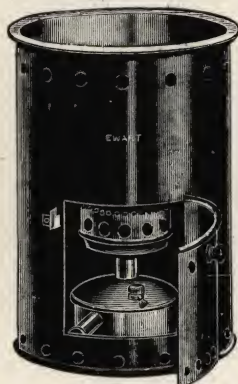
The "Camp" Boiler is extremely rapid in action, and boils nearly one gallon of water per minute.

Made throughout of stout hardened Copper, the inside carefully coated with pure tin, fitted with large draw-off cock, and mounted on a strong wrought iron stand.

The Oil Stove burns ordinary paraffin with a clear atmospheric flame and without smoke or smell.

## Ewart's

## "Eden" Oil Copper.



Where gas cannot be procured, this Copper, heating by Oil, will be found generally useful in Dairies, Laundries, Kennels, etc., and large quantities of hot or boiling water may be speedily obtained.

The exterior is of stout iron with a galvanized copper, and fitted with a powerful Oil Stove, burns ordinary paraffin with a clear atmospheric flame and without smoke or smell.

### Sizes and Prices.

No.	Capacity.	£	s.	d.
1	10 galls.	6	0	0
2	15 galls.	8	10	0
3	20 galls.	10	10	0

If fitted with **Copper Coil**, which greatly increases the heating power of the Copper—boiling 10 gallons of water in about half an hour—extra, any size, £1.

## Ewart's "Simplex" Boiler.

To Heat by Oil.

Suitable for making Tea in Workshops or Refreshment Bars.

Made throughout of solid Copper, coated with pure tin inside. Complete with large draw-off tap and powerful Oil Stove, burning ordinary paraffin without smoke or smell.

### Sizes and Prices.

No.	Capacity	£	s.	d.
1	5 gallons	4	4	0
2	10 gallons	4	18	6
3	20 gallons	7	3	6

Larger sizes made to order. Prices on application.



## Ewart's "Euston" Caterers' Boiler.

To Heat with Wood, Coal or Coke.

The most Rapid Portable Boiler for Caterers' Use.

Made in three parts for ease in transit.

1. Boiler made of stout hardened Copper, carefully coated with pure tin inside, fitted with tinned solid drawn Copper flue passing through centre of Boiler, which utilises what would otherwise be waste heat.

2. Stout **wrought** iron fire grate and stand.

3. Chimney and cap of extra strong galvanized iron.

### Sizes and Prices.

Complete with heavy  $\frac{3}{4}$ -in. Brass lever draw-off tap.

List No.	Capacity of Boiler	Approx. Diam. of Boiler	Approx. Height from ground to top of Boiler	Weight about lbs.	Prices.
	galls.	inches.	inches.		1st Qual. 2nd Qual.
91	20	20	33	80	£ 5 17 0 £ 3 9 0
92	25	22	36	92	£ 6 12 0 £ 4 2 6
93	30	23	38	104	£ 7 9 0 £ 4 16 0
94	40	24	41	120	£ 8 12 0 £ 5 14 0
95	60	29	44	150	£ 10 10 0 —

Prices for larger sizes, or in galvanized iron, on application.





ESTABLISHED 1834.

Telephone Nos.

2570  
2571  
2572  
2573 } North (4 lines).

Telegrams "Geyser, London."

# EWART'S GEYSERS

IN

COPPER.

TO HEAT BY OIL AND FUEL

---

20 Gold Medals and Awards.

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**EWART & SON Limited**

**346, 348, 350, Euston Rd. LONDON N.W.**

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# Hot Water Supply for Country Houses

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## Ewart's Oil and Fuel Geysers.

The difficulties of obtaining hot water for bathing and domestic use in Country Houses where gas is not available, are many, and often insurmountable. The Kitchen Boiler with its circulating pipes is difficult and expensive to fix, and where installed invariably fails to give a satisfactory supply of hot water for the Bath, which would add so much to the comfort of the household.

The acknowledged merit of Ewart's Gas Geysers, producing an instant and unlimited supply of hot or boiling water for all purposes at any time of the night or day, has developed a demand for a similar system for districts where gas cannot be obtained or is high in price.

Ewart's Oil and Fuel Geysers may be easily fixed in the Bathroom or any position where a supply of cold water, from main or tank, can be obtained, whilst the rapidity of heating compares most favourably with the best Gas Geysers.

By the introduction of a special Oil Stove, a very high degree of efficiency can be obtained at a small cost for fuel.

The stove burns ordinary paraffin, such as is used for lighting purposes, gives a clear atmospheric flame without wick, smoke or smell, free from the objections so common to wick lamps, ensuring safety and cleanliness in use, and its operation is simple and readily understood. The quantity of oil required for sufficient water for a warm Bath is about one pint.

### Selection of Geysers.

There are two distinct forms of Geyser :—

The "SEALED" system, and the "OPEN" system.

In the "SEALED" system, the water chambers are coated with pure tin and sealed from contact with the fumes rising from the burning oil. In heating, therefore, the water is uncontaminated, may be had boiling, and used for drinking, cooking, as well as bathing purposes.

In the "OPEN" system, the water comes in direct contact with the fumes rising from the burning oil, and so should not be used for drinking.

"OPEN" system Geysers are suitable for heating water to 150° F., but are liable to be damaged if used for boiling water. For districts where the water is very hard, the "OPEN" system is preferable, as "furring up" is avoided.

### Suitable Sizes.

Large size Geysers are, in all instances, found the most satisfactory in use. With a large size Geyser the heating is very rapid ; a hot bath is obtained in a few minutes with consequent little, if any, cooling of the water while the bath is filling.

The standard size Geyser recommended for ordinary purposes (whichever pattern is selected) is the size heating four gallons per minute.

### Safety of Ewart's Geysers.

An unfortunate prejudice still exists in some quarters against Geysers, although, as a matter of fact, the total number of accidents which have occurred, through badly designed and cheap Geysers, during the last 20 years will be found fewer than that caused in any one severe winter through the bursting of kitchen boilers.

To ensure absolute safety, it is necessary that :—

All Geysers when fitted in a Bathroom must have a flue pipe to conduct the fumes outside the apartment.

# Ewart's "Success" Oil Geyser.

## Pattern "L"

### "Sealed" System.

Patented.

Specially adapted for use in Country Houses where Gas cannot be obtained.

The "L" Pattern "Success" Oil Geyser is constructed on a similar model to our well-known "Lightning Geyser," but adapted to heat by oil instead of by gas.

The "Success" Oil Stove burns ordinary paraffin, without wicks, with a clear atmospheric gas flame giving intense heat.

The construction of the "Success" Oil Stove ensures safety and cleanliness in use, its operation is simple and easily understood, and it has none of the objections common with ordinary wick lamps, which are never satisfactory on account of smoke, soot, insufficiency of heat, and the constant trouble of regulating and trimming the wicks.

The "L" Pattern "Success" Oil Geyser is constructed on the "Sealed" System, the water may therefore be raised to boiling point and used for drinking or cooking purposes as well as the bath.

The Geyser is made throughout of stout hardened Copper, and the water chambers are carefully coated with pure tin. The outside is highly polished and lacquered.

Each Geyser is supplied complete with "Success" Oil Stove and cold water inlet tap

## Sizes and Prices.

List No.	Heats per minute.	Boils per minute.	Diam. inches.	Height inches.	Number of Burners fitted to "Success" Lamp Stove	Prices.
						£ s. d.
4 "L"	1 gall.	1 pint	9	38	2	6 6 0
3 "L"	2 galls.	2 pints	11	42	4	8 8 0
2 "L"	3 galls.	4 pints	13	46	6	10 10 0
1 "L"	4 galls.	6 pints	14½	47	8	12 12 0
0 "L"	8 galls.	12 pints	20	60	Special Burner	26 5 0

The No. 4 "L" Pattern is suitable for a lavatory basin and positions where small supplies only of hot water are required. It is not suitable for bath use.

The temperature of the water flowing at the above rates per minute is raised 38° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of stream.



# Ewart's "Success" Oil Geyser.

Pattern "L."

"Sealed" System.

Patented.



A Hot Bath at any time, whenever wanted, without the trouble of lighting fires.  
Boiling Water for all purposes.

# Ewart's "Success" Oil Geyser.

Pattern "C."

"OPEN" SYSTEM.

(Patented).

## WILL NOT FUR WITH LIME DEPOSIT.

Suitable for districts where water is very hard or for heating sea water.

The "C" Pattern "Success" Oil Geyser is constructed on the "Open" System similar to the "Champion" Gas Geyser. It is specially adapted for districts where the water is very hard, as its patented construction contains no springs, small chambers or tubes, and prevents furring from lime or deposit in the water.

It is suitable for heating water up to 150 degrees Fahrenheit, but should not be used for boiling water or the machine may be damaged.

The "C" Pattern "Success" Oil Geyser is made throughout of stout hardened Copper, the inside carefully coated with pure tin, the outside polished and lacquered. Each Geyser is supplied complete with "Success" Oil Stove, but without cold water inlet tap.

## Sizes and Prices.

List No.		Heats per minute.	Diam. inches.	Height inches.	Number of Burners fitted to "Success" Lamp Stove.	Prices.		
						£	s.	d.
23 "C"	...	2 galls.	12	33	4	5	15	6
22 "C"	...	3 galls.	13½	44	6	7	7	0
21 "C"	...	4 galls.	15	49	8	8	18	6

The temperature of the water flowing at the above rates per minute is raised 38° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of stream.



# Ewart's "Success" Oil Geyser.

Pattern "C."

"OPEN" SYSTEM.

(Patented).



As this Geyser is not connected with the water tap it is easily removed for use in any position where a supply of water can be obtained.

# Ewart's "Victor" Oil Geyser.

Patented.

"Sealed" System.

Registered.

## The Popular Oil Geyser.

The "Victor" Oil Geyser is designed to supply a compact and thoroughly efficient "Sealed" System Oil Geyser, suitable for heating or boiling water for all purposes, easily fixed in country districts where skilled labour is difficult to obtain. These advantages, combined with its low comparative cost, have earned for it a reputation as the Popular Oil Geyser.

The "Victor" Oil Geyser is constructed (with the exception of the Stand and Stove) of stout hardened Copper throughout; the water chambers are sealed from contact with the fumes rising from the burning oil, and carefully coated with pure tin. The water therefore issues from the spout as pure as it enters the machine, may be raised to boiling point, and used for drinking and cooking purposes as well as for the bath.

The "Victor" Oil Geyser is mounted on a handsome cast-iron Stand fitted with a powerful Lamp Stove, burns ordinary paraffin, without wick, smoke or smell, gives an intense heat with a small consumption of oil, and the most satisfactory results from the oil burnt.

### Sizes and Prices.

List No.		* Heats per minute.		Boils per minute about		Diameter inches.		Height, including stand, inches.		Prices		
50	...	2 galls.	...	2 quarts	...	10½	...	51	...	£	s.	d.
										4	12	6
51	...	4 galls.	...	1 gall.	...	14	...	60	...	8	15	0

The above prices include the Wickless Lamp Stove and Ornamental Cast Iron Stand of Registered design.

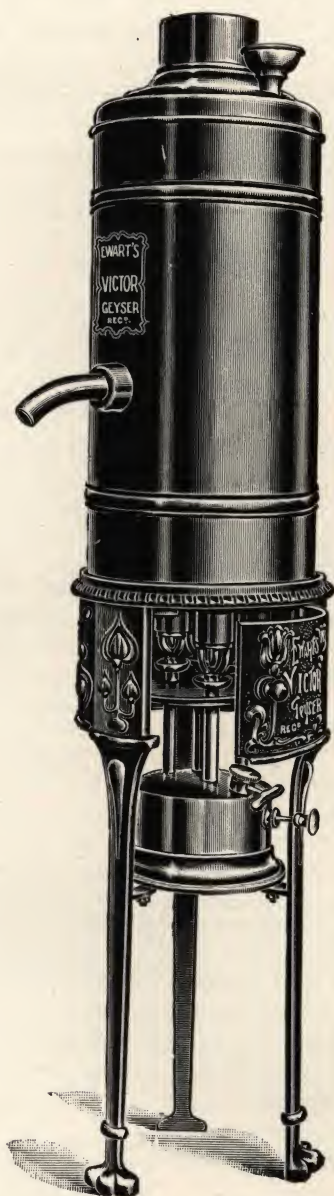
\* The temperature of the water flowing at the above rates per minute is raised 38° Fahrenheit above that of the cold supply.

The temperature may be increased or diminished according to the size of stream.



# Ewart's "Victor" Oil Geyser.

Patented and Registered.



"Sealed"  
System.

Low  
Price.

## The Popular Oil Geyser.

# Ewart's "Victor" Fuel Geyser.

Patented.

Registered.



**A powerful Geyser, rapidly heating large quantities of Water with small Consumption of Fuel.**

Ewart's "Victor" Fuel Geyser is specially adapted for Country Houses and districts where a supply of gas or oil cannot be readily obtained, and is suitable for heating water for the Bath and other purposes, such as Stables, Kennels, etc.

Either coal or wood may be used, whichever is most convenient, and to put the Geyser in operation it is only necessary to lay a wood or coal fire and apply a match; in efficiency the "Victor" Fuel Geyser compares most favourably with the best Gas Geysers.

Constructed to heat about 3 gallons per minute, a hot Bath may be obtained in from 10 to 15 minutes from the time of lighting the fire.

Wood as fuel gives the best results. The grate is constructed to hold sufficient fuel to heat enough water for a full size Bath; and it will be found that after lighting the fire and turning on the cold water supply, little or no further attention is required until the Bath is filled.

The water chambers of Ewart's "Victor" Fuel Geyser are made throughout of stout hardened Copper, and the water is sealed from contact with smoke or fumes from the burning fuel. If the Geyser is required for providing water for drinking, it is recommended that the water chambers should be tinned inside.

The grate is entirely surrounded (with the exception of the small cast-iron door through which the grate is filled) by a jacket of cold water, thus ensuring the maximum efficiency for fuel consumed, and prevents the Bathroom being heated.

Ewart's "Victor" Fuel Geyser is finished—the cast-iron base and door in black enamel, the body of Geyser in bright polished Copper, with polished brass inlet union and outlet pipe.

Mounted on a stout cast-iron tray, giving clear air space under both tray and Geyser, no masonry or cement base is required.

**Made in one size only.**

**Price - - £6 15s. 0d.**

**Extra if Water Chambers are tinned inside, 17s. 6d.**

## **SPECIAL VENTILATING APPLIANCES FOR EWART'S FUEL GEYSER**

Ewart's double jacketed vent pipe, made of stout galvanized iron, 5/- per 2-ft. length.  
Double jacketed square or obtuse hand-made Elbows, made of stout galvanized iron, 4/6 each.  
Vent Caps, made from stout galvanized iron, 4/- each.  
Full way "H" pieces, made from stout galvanized iron, 13/6 each.

**NOTE.**—Baffles are not supplied for use with the "Fuel" Geyser.



# Ewart's Boilers.

To Heat by Oil or Fuel.

## Ewart's "Camp" Boiler

(Patent)

For Military Camps, Race Meetings, etc.



Boils Water for Drinking.

### Sizes and Prices.

No.	Capacity.	£	s.	d.
1	5 galls.	8	8	0
2	10 galls.	10	10	0
3	15 galls.	12	12	0

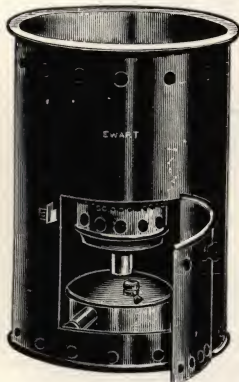
The "Camp" Boiler is extremely rapid in action, and boils nearly one gallon of water per minute.

Made throughout of stout hardened Copper, the inside carefully coated with pure tin, fitted with large draw-off cock, and mounted on a strong wrought iron stand.

The Oil Stove burns ordinary paraffin with a clear atmospheric flame and without smoke or smell.

## Ewart's

## "Eden" Oil Copper.



Where gas cannot be procured, this Copper, heating by Oil, will be found generally useful in Dairies, Laundries, Kennels, etc., and large quantities of hot or boiling water may be speedily obtained.

The exterior is of stout iron, with a galvanized copper, and fitted with a powerful Oil Stove, burns ordinary paraffin with a clear atmospheric flame and without smoke or smell.

### Sizes and Prices.

No.	Capacity.	£	s.	d.
1	10 galls.	6	0	0
2	15 galls.	8	10	0
3	20 galls.	10	10	0

If fitted with **Copper coil**, which greatly increases the heating power of the Copper—boiling 10 gallons of water in about half an hour—**extra**, any size, **£1**.

## Ewart's "Simplex" Boiler.

To Heat by Oil.

Suitable for making Tea in Workshops or Refreshment Bars.

Made throughout of solid Copper, coated with pure tin inside. Complete with large draw-off tap and powerful Oil Stove, burning ordinary paraffin without smoke or smell.



### Sizes and Prices.

No.	Capacity.	£	s.	d.
1	5 gallons	4	4	0
2	10 gallons	4	18	6
3	20 gallons	7	3	6

Larger sizes made to order. Prices on application.

## Ewart's "Euston" Caterers' Boiler.

To Heat with Wood, Coal, or Coke.

The most rapid Portable Boiler for Caterers' use.

Made in three parts for ease in transit.

1. Boiler made of stout hardened Copper, carefully coated with pure tin inside, fitted with tinned solid drawn Copper flue passing through centre of Boiler, which utilizes what would otherwise be waste heat.

2. Stout **wrought** iron fire grate and stand.

3. Chimney and cap of extra strong galvanized iron.



### Sizes and Prices.

Complete with heavy  $\frac{3}{4}$  in. Brass lever draw-off tap.

List No.	Capa- city, galls.	Approx. Diam. of Boiler, inches.	Approximate Height from ground to top of Boiler not including the chimney, inches.	Weight lbs.	1st Qual.	2nd Qual.
91	20	20	33	80	5 17 0	3 9 0
92	25	22	36	92	6 12 0	4 2 6
93	30	23	38	104	7 9 0	4 16 0
94	40	24	41	120	8 12 0	5 14 0
95	60	29	44	150	10 10 0	—

Prices for larger sizes, or in galvanized iron, on application.

# **HOT WATER INSTANTLY NIGHT OR DAY.**

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**For Prices, etc., of Gas Geysers, Ventilating Appliances and  
Fittings, see General Catalogue.**

**Prices and Particulars of Geyser Baths in Porcelain Enamelled  
Cast Iron, Copper, Zinc, or Tinned Iron, on application.**

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## **EWART'S GEYSERS.**



CONTRACTORS TO HIS MAJESTY'S GOVERNMENT

TELEPHONE NO.  
MUSEUM 2570



TELEGRAMS  
"GEYSER LONDON"



EWART & SON LIMITED  
346.348.350 EUSTON ROAD  
LONDON · N · W.  
ENTERED AT STATIONERS HALL, ALL RIGHTS RESERVED.

# Ventilation.

To obtain a thoroughly satisfactory system of Ventilation with efficient continued working, particular attention should be given to the following :—

1. To provide sufficient and well-placed inlets.
2. To arrange for an efficient extracting air-duct.
3. To utilise to the utmost the constant outside pressure of the air.
4. To fix an exhaust Ventilator in a well-selected position to accelerate the natural upward movement of the air to the utmost, and to protect the outlet pipe from down-blow.

## Inlets.

It is little use fixing the best exhaust Ventilator unless proper air inlets are provided. No Ventilator can produce a vacuum.

In badly ventilated buildings it is quite usual to find that owing to insufficient air inlets the vitiated air remains.

We consider that the total area of the inlets should be at least one-third greater than that of the outlets.

## Air-Ducts.

Another common fault will be found in defective connections between the room and the Ventilator.

The exhaust shaft should always be of metal and fixed by competent workmen.

Wooden flues are never air-tight, are usually too small in area, and obstructions are frequently left in them by careless workmen.

They occupy more space than zinc or iron shafts, are not so easily fixed and harbour dust and insects.

Branch pipes are often put in horizontally and connecting pipes are inserted therein at right angles, this causes obstruction and friction, greatly reducing the extracting power of the ventilator.

## Air Pressure.

In arranging positions for extracting air-ducts, every advantage should be taken of the constant pressure of the atmosphere.

Taking a building 50 ft. high with a difference in temperature between the inside and outside of say 15 degrees Fahrenheit, the difference in the weight of two columns of air one foot square is 11 lbs., equal to a pressure of about 2 ozs. per square foot.

This pressure is constant and can always be depended upon even in the calmest weather.

If, therefore, the air inlets to the building are so constructed that the air is introduced in an upward direction at about 5 ft. 6 in. from the floor, and the extracting air-ducts are fixed in favourable positions, it will be found that the upward movement of the vitiated air towards the outlets in the ceiling will be greatly accelerated.



## **The Exhaust Ventilator.**

The Exhaust Ventilator is required to remove the direct pressure from the top of the outlet pipe so as to enable the hot air to rise freely.

To accelerate the rising of the hot air as much as possible by the aspirating power of the wind.

By the special construction of the Ventilator to prevent down-draught or entrance of rain, snow, dust, etc.

On account of the exposed situation of a Ventilator it should be constructed of the most durable material.

Ewart's Copper Ventilators have been specially designed to meet all these requirements.

Ewart's Copper Ventilators do not lose their efficiency through the fans becoming stopped up or displaced by the action of rust ; a common fault of all iron Ventilators.

The " Ewart " Copper Ventilator will last (and continue to act efficiently) as long as the walls of the building upon which it is fixed.

## **Durability.**

No Architect would for a moment entertain the idea of covering the roof of any permanent building with such a perishable material as Galvanized Iron.

A metal that is not suitable for a roof can hardly be said to be fitted for a Ventilator which, in the majority of cases, must be fixed at the highest and most exposed part of a building.

Constructed entirely of stout hardened Copper, riveted together and fitted with Copper Finials, our Ventilators do not need constant re-painting to keep them in repair, nor is it necessary to replace them every few years.

They will last as long as buildings of the most permanent construction, and in the course of short exposure assume naturally a beautiful colouring no artificial adornment can approach

## **Remarks.**

We solicit enquiries on matters of ventilation, whether on old or new buildings, and undertake to send skilled workmen to any part of the country.

When writing for estimates, a rough sketch of the building should be sent with dimensions and particulars as to the number of people to be allowed for, and the purpose for which it will be used, and whether with open or ceiled roof.

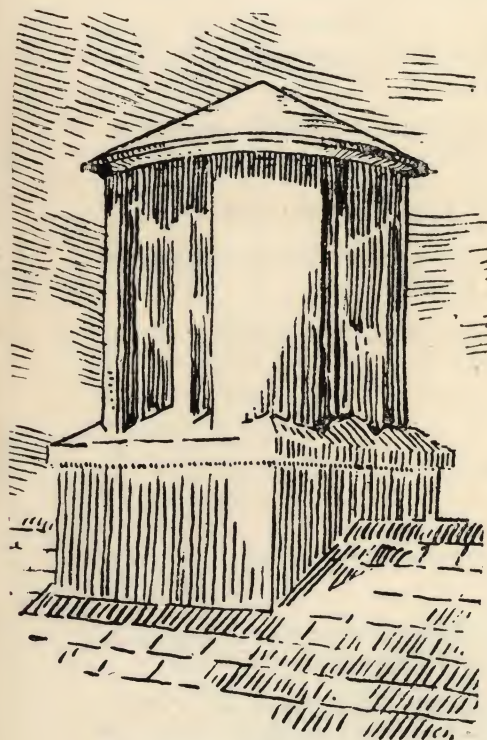
We are always pleased to advise as to the number and size of Ventilators, Air-Ducts, Inlets, etc., required, and to submit suggestions and estimates.

We also undertake the manufacture of Ventilators from Architects' own designs. For particulars see page 16.

# Ewart's Copper Ventilator.

Design "P." Cheap Pattern.

Patented and Registered.



## Prices and Dimensions in Copper.

No. for Specification.	Inside of Base. Inches.	Height about. Inches.	May be used for pipes. Inches.	Diam. of pipe advised. Inches.	PRICES.		
					£	s.	d.
1000 C	16 × 16	24	6 to 10	9	2	10	0
1001 C	20 × 20	27	8 to 14	12	3	10	0
1002 C	24 × 24	32	10 to 16	14	5	0	0
1003 C	28 × 28	38	11 to 18	16	6	10	0
1004 C	32 × 32	42	12 to 20	18	8	0	0

Copper Roof Seats extra.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient.**

**Durable.**

REQUIRES NO PAINTING.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head	-	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
		5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No.....

For Pipe.....inches diameter.

Price £.....



# Ewart's Copper Ventilator.

Design "Z."

Patented and Registered.

## Prices and Dimensions in Copper.

No. for Specification.	Inside of Base.	Diam. of Head.	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Inches.	Inches.	£	s.	d.
1072 C	10 × 10	10	3 to 7	6	1	9	6
1073 C	16 × 16	16	6 to 10	9	2	15	6
1074 C	18 × 18	18	7 to 12	10	3	7	6
1075 C	20 × 20	20	8 to 14	12	4	5	0
1076 C	24 × 24	24	10 to 16	14	5	17	6
1077 C	28 × 28	28	11 to 18	16	7	0	0
1078 C	32 × 32	32	12 to 20	18	9	10	0
1079 C	36 × 36	36	15 to 23	21	12	0	0
1080 C	42 × 42	42	17 to 28	24	16	17	6
1081 C	48 × 48	48	20 to 32	28	22	17	6

Copper Roof Seats extra.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient.**

**Durable.**

REQUIRES NO PAINTING.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head -	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

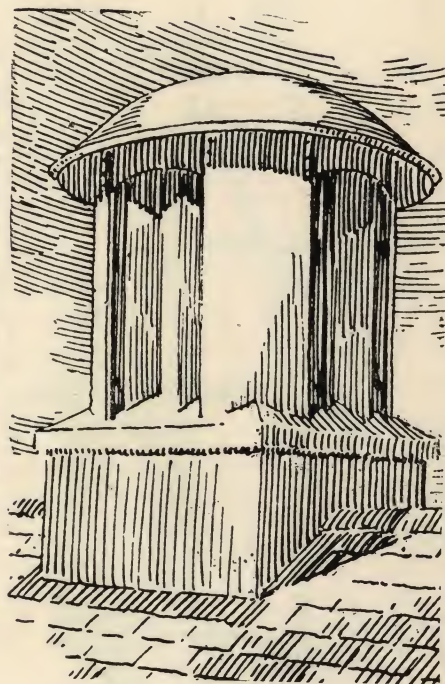
If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No.....

For Pipe.....inches diameter.

Price £.....



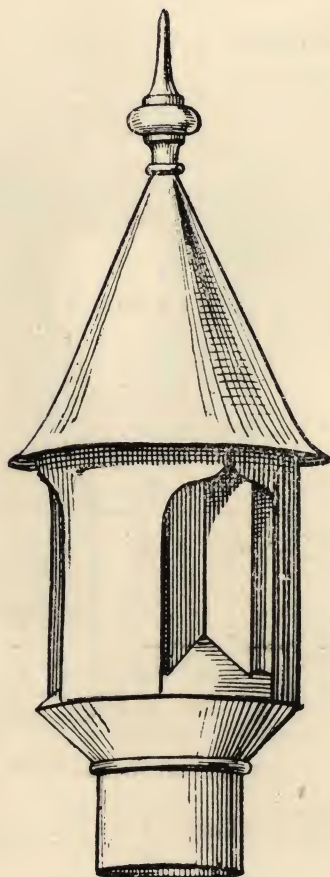
# Ewart's Copper Ventilator.

Plain Pattern.

With Round Base.

Patented and Registered.

## Prices and Dimensions in Copper.



REQUIRES NO PAINTING.

No. for Specifi- cation.	Diam. of Head.	Height about	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Inches.	Inches.	£	s.	d.
1082 C	10	37	3 to 7	6	1	9	6
1083 C	12	43	4 to 8	7	1	16	0
1084 C	14	49	5 to 9	8	2	5	0
1085 C	16	53	6 to 10	9	2	15	6
1086 C	18	56	7 to 12	10	3	8	6
1087 C	20	63	8 to 14	12	4	7	6
1088 C	24	72	10 to 16	14	5	18	6
1089 C	28	80	11 to 18	16	7	1	0
1090 C	32	96	12 to 20	18	9	13	6
1091 C	36	115	15 to 23	21	12	0	0

For Copper Slating Plates to fit over ridge of roof, see page 42.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient.**

**Durable.**

All plain parts riveted together and fireproof.

Copper finials in place of usual wood knobs.

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head -	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No. ....

To slip over Pipes.....inches outside diameter.

Price £.....



# Ewart's Copper Ventilator.

Plain Pattern. With Square Base.

Patented and Registered.

## Prices and Dimensions in Copper.

No. for Specification.	Inside of Base.	Diam. of Head.	Height about.	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Ft. Ins.	Inches.	Inches.	£	s.	d.
1092 C	10 × 10	10	2 9	3 to 7	6	1	9	6
1093 C	12 × 12	12	3 3	4 to 8	7	1	16	0
1094 C	14 × 14	14	3 8	5 to 9	8	2	5	0
1095 C	16 × 16	16	4 0	6 to 10	9	2	15	6
1096 C	18 × 18	18	4 3	7 to 12	10	3	8	6
1097 C	20 × 20	20	4 9	8 to 14	12	4	7	6
1098 C	24 × 24	24	5 8	10 to 16	14	5	18	6
1099 C	28 × 28	28	6 2	11 to 18	16	7	1	0
1100 C	32 × 32	32	7 4	12 to 20	18	9	13	6
1101 C	36 × 36	36	8 9	15 to 23	21	12	0	0
1102 C	42 × 42	42	10 5	17 to 28	24	16	17	6
1103 C	48 × 48	48	11 6	20 to 32	28	22	17	6

Copper Roof Seats extra.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient. Durable.**

All plain parts riveted together and fireproof.

Copper finials in place of usual wood knobs.

REQUIRES NO PAINTING.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head -	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

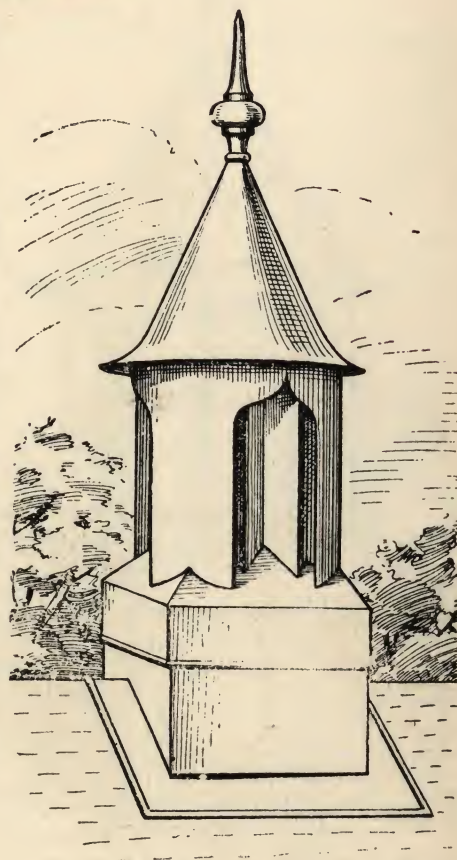
If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No. ....

For Pipe.....inches diameter.

Price £.....

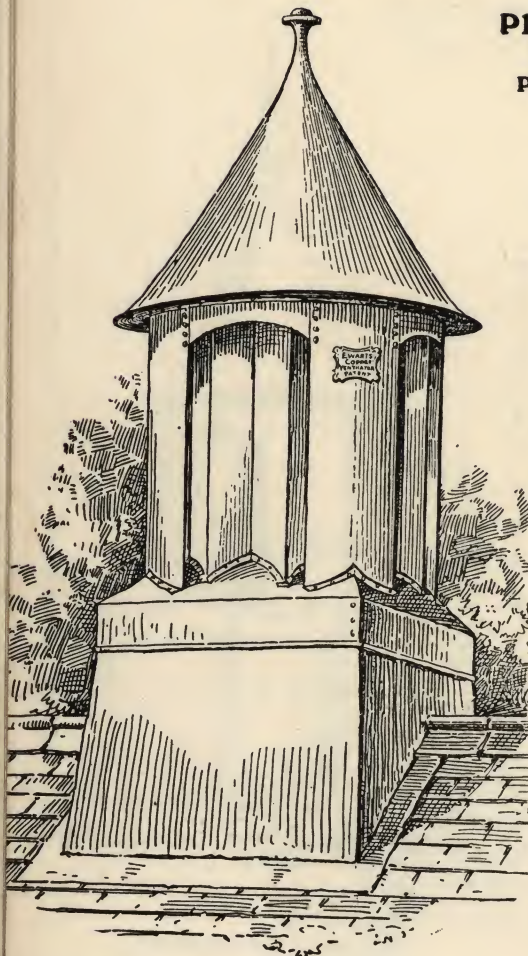


# Ewart's Copper Ventilator.

Plain Pattern (No. 2).

Patented and Registered.

## Prices and Dimensions in Copper.



No. for Specifi- cation.	Inside of Base.	Diam. of Head.	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Inches.	Inches.	£	s.	d.
1104 C	10 × 10	10	3 to 7	6	1	16	6
1105 C	12 × 12	12	4 to 8	7	2	3	0
1106 C	14 × 14	14	5 to 9	8	2	12	0
1107 C	16 × 16	16	6 to 10	9	3	2	6
1108 C	18 × 18	18	7 to 12	10	3	15	6
1109 C	20 × 20	20	8 to 14	12	4	14	6
1110 C	24 × 24	24	10 to 16	14	6	7	6
1111 C	28 × 28	28	11 to 18	16	7	10	0
1112 C	32 × 32	32	12 to 20	18	10	2	6
1113 C	36 × 36	36	15 to 23	21	12	14	0
1114 C	42 × 42	42	17 to 28	24	17	15	6
1115 C	48 × 48	48	20 to 32	28	23	17	6

Copper Roof Seats extra.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient. Durable.**

All plain parts riveted together and fireproof.

Copper finials in place of usual wood knobs.

REQUIRES NO PAINTING.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head -	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No.....

For Pipe.....inches diameter.

Price £.....



# Ewart's Copper Ventilator.

Ornamental Pattern (No. 3).

Patented and Registered.

## Prices and Dimensions in Copper.

No. for Specifi- cation.	Inside of Base.	Diam. of Head.	May be used for pipes.	Diam. of pipe advised. Inches.	PRICES.		
	Inches.		Inches.		£	s.	d.
1116 C	18 × 18	16	6 to 10	9	4	12	6
1117 C	24 × 24	20	8 to 14	12	6	15	0
1118 C	30 × 30	25	11 to 17	15	10	10	0
1119 C	36 × 36	32	12 to 20	18	14	0	0
1120 C	42 × 42	38	17 to 26	22	19	10	0

Copper Roof Seats extra.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient. Durable.**

All plain parts riveted together and fireproof.

Copper finials in place of usual wood knobs.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head -	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

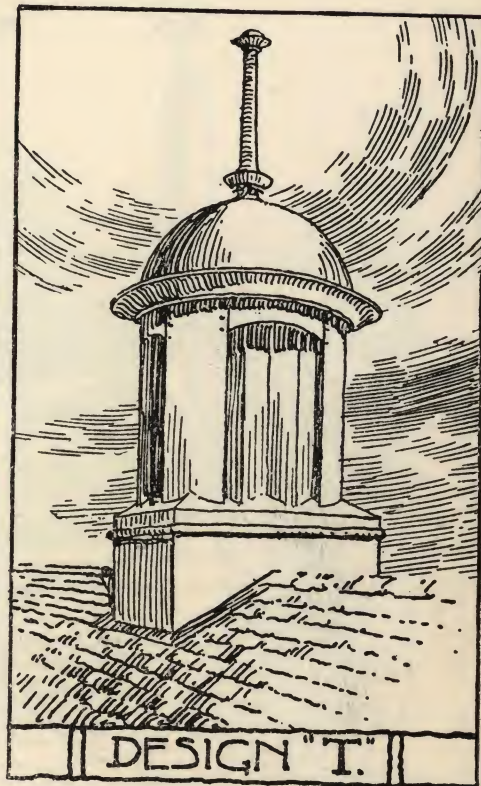
If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No.....

For Pipe .....inches diameter.

Price £.....

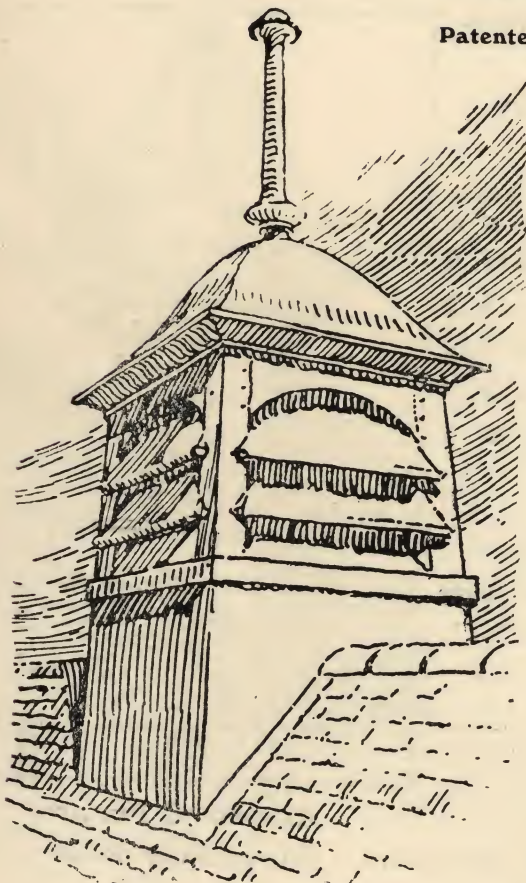


REQUIRES NO PAINTING.

# Ewart's Copper Ventilator.

Design "Y."

Patented and Registered.



REQUIRES NO PAINTING.

## Prices and Dimensions in Copper.

No. for Specifi- cation.	Inside of Base. Inches.	Diam. of pipe. Inches.	PRICES.		
			£	s.	d.
1127 C	16 × 16	9	3	15	0
1128 C	20 × 20	12	6	0	0
1129 C	24 × 24	14	7	15	0
1130 C	26 × 26	16	9	0	0
1131 C	30 × 30	18	12	0	0

Copper Roof Seats extra.

Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient.**

**Durable.**

All plain parts riveted together and fireproof.

Copper finials in place of usual wood knobs.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head -	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

If in Copper Wire the price will be double.

## Form for Specification.

Ewart's Copper Ventilator, Catalogue No.....

For Pipe.....inches diameter.

Price £.....



# Ewart's Copper Ventilator.

Design "R."

Patented and Registered.

## Prices and Dimensions in Copper.

No. for Specifi- cation.	Inside of Base. Inches.	Diam. of pipe. Inches.	PRICE.		
			£	s.	d.
1133 C	16 × 16	9	3	10	0
1134 C	20 × 20	12	5	18	6
1135 C	24 × 24	14	7	12	6
1136 C	26 × 26	16	8	17	6
1137 C	30 × 30	18	12	0	0

Copper Roof Seats extra.

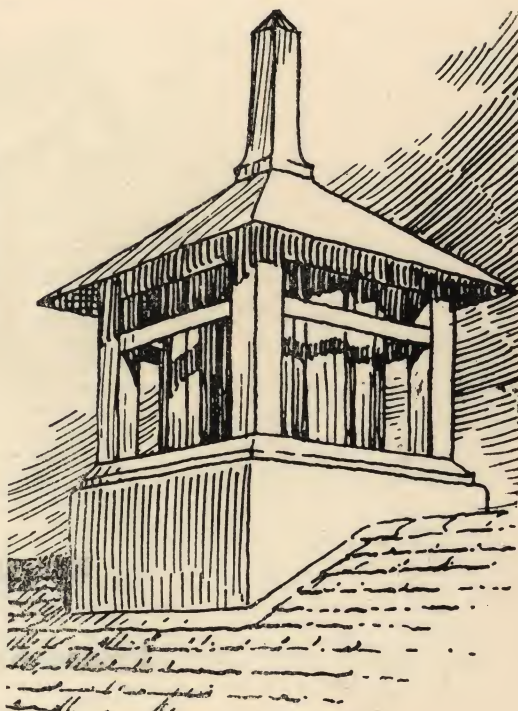
Constructed entirely of Copper.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

**Efficient. Durable.**

All plain parts riveted together and fireproof.

Copper finials in place of usual wood knobs.



REQUIRES NO PAINTING.

These Ventilators require a wooden roof seat covered with Lead or Copper to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head	- 10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

If in Copper Wire the price will be double.

## Form of Specification.

Ewart's Copper Ventilator, Catalogue No.....

For Pipe.....inches diameter.

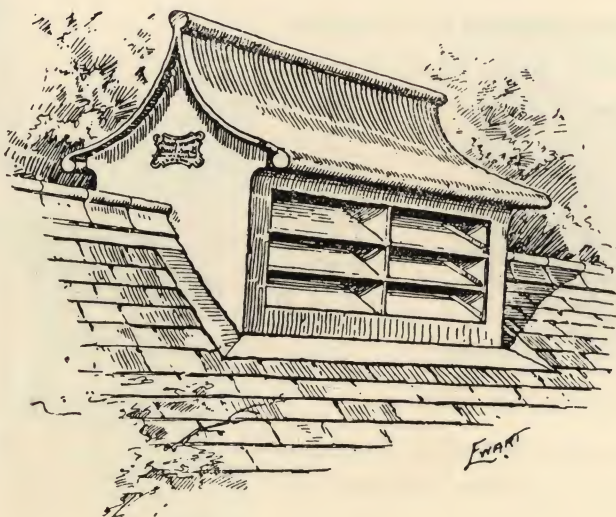
Price £.....

# Ewart's Copper Ridge Ventilator.

Patented and Registered.

Constructed of Copper.

Riveted together.



REQUIRES NO PAINTING.

## Prices and Dimensions.

Constructed entirely of Copper, riveted together, complete with slating flanges.

No. for Specification.	Length of Body. Inches.	Price for open Roof.			Extra for Regulating Valve if required.			Extra if fitted with Cone and Socket for connecting to Ventilating Pipe.*			Extra if fitted with Copper Bird Wire.		
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1138 C	18	2	10	6	0	11	6	0	12	0	0	7	6
1139 C	24	3	12	0	0	14	6	0	15	0	0	10	0
1140 C	30	4	14	6	1	0	0	0	19	0	0	17	6
1141 C	36	6	0	0	1	5	6	1	5	0	1	2	6
1142 C	42	7	19	0	1	13	0	1	10	0	1	7	6

The protection of Bird Wire is recommended as it is found that birds sometimes build in this type of Ventilator. It may stop much annoyance and can be added at small additional cost.

When specifying please clearly state pitch of roof.

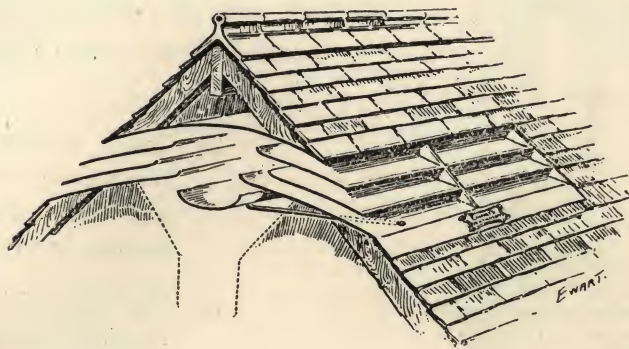
\*When specifying with Cone and Socket please give size of Ventilating pipe required. Sockets can be fitted of any size not exceeding width of body of Ventilator.



# Ewart's Copper Concealed Ventilator.

Patented and Registered.

Constructed of Copper. Riveted together.



REQUIRES NO PAINTING.

## Prices and Dimensions.

Constructed entirely of Copper, riveted together, complete with slating flanges, and condensation shield with outlet pipe.

No. for Specification.	Size of Front inside flanges. Inches. Width. Height.	A			B			C			Extra if fitted with Cone and Socket for connecting to Ventilating Pipe as shown by dotted lines.*	Extra for Copper Bird Wire.				
		Base not exceeding 4 feet long.			Base not exceeding 6 feet long.			Base not exceeding 9 feet long.								
		£	s.	d.	£	s.	d.	£	s.	d.		£	s.	d.		
1143 C	18 × 9	4	6	6	5	12	0	7	1	0	0	18	0	0	7	6
1144 C	24 × 12	5	3	6	6	15	0	8	12	6	1	3	6	0	10	0
1145 C	30 × 15	6	4	0	8	12	6	10	17	6	1	10	0	0	17	6
1146 C	36 × 18	7	10	0	10	10	0	13	17	6	1	18	0	1	2	6

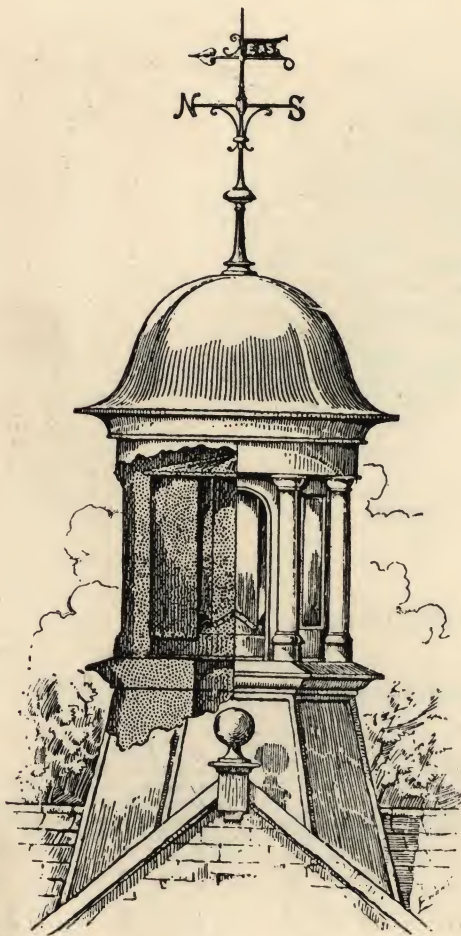
For fixing instructions see page 45.

The protection of Bird Wire is recommended as it is found that birds sometimes build in this type of Ventilator. It may stop much annoyance and can be added at small additional cost.

When specifying please clearly state exact length of base required and pitch of roof.

\*When specifying with Cone and Socket please give size of Ventilating Pipe required. Sockets can be fitted of any size not exceeding  $\frac{2}{3}$  width of front.

# Ewart's Copper Turret Ventilator.



Showing a Turret Ventilator fixed in a Turret of simple design and illustrating the impossibility of re-painting the Turret Ventilator once fixed and the difficulty of replacing it if decayed.

For the following reasons we suggest the exclusive use of Copper Ventilators for insertion in Turrets.

- (a) Turret Ventilators of Galvanized Iron, as they are not accessible for periodical re-painting, soon decay and thus lose their extractive power.
- (b) The tops and less exposed parts of Iron Ventilators when the supports have decayed are liable to fall inside the Turret (unobserved) and block up the air shaft, thus stopping even the natural exit of the heated air from the building below.
- (c) The great difficulty (and expense) of replacing a Turret Ventilator, which necessitates in most cases considerable interference with the surrounding Turret as well as the cost of erecting scaffolding.

Ewart's Copper Turret Ventilators, constructed of hardened Copper throughout, riveted together to secure maximum strength (and thus also rendered fireproof) are most durable and may be depended upon—without any painting—to last at least as long as the Turret in which they are fixed.

Prices and sizes of Ewart's Copper Turret Ventilators will be found on page 15.



# Ewart's Copper Turret Ventilator.

For Insertion in Turret.

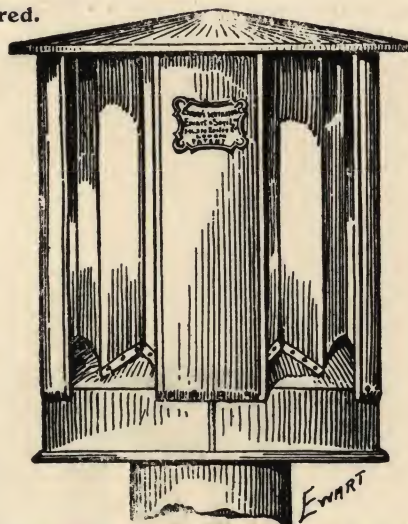
Riveted throughout.

Fireproof.

Patented and Registered.

## Prices and Dimensions in Copper.

No. for Specification.	Diam. of Head.	Height about.	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Inches.	Inches.	£	s.	d.
1147 C	18	25	7 to 12	10	2	15	0
1148 C	20	26½	8 to 14	12	3	10	0
1149 C	24	31½	10 to 16	14	4	10	0
1150 C	30	38½	12 to 20	18	7	0	0
1151 C	36	46	15 to 23	21	9	0	0
1152 C	42	50	17 to 28	24	11	10	0
1153 C	48	58	20 to 32	28	16	10	0



The Turret Ventilator is intended to be enclosed in a Ventilating Turret or Flèche when this forms part of the design of the building and the Ventilator requires to be hidden.

These Ventilators are sometimes used by themselves, without external covering, where it is found necessary to reduce the price and when it is not desired to make the Ventilator a feature of the building.

The extracting power is of course the same as with the more expensive designs, and is not impaired in any way.

Unless otherwise specified, the Turret Ventilator will be supplied circular, as shown.

Increases up-draught and stops down-blow more effectively than any other Ventilator with fixed parts.

Constructed entirely of Copper.

**Efficient.**

**Durable.**

For illustration of Ewart's Copper Turret Ventilator fixed in a Turret, see page 14

## Form for Specification.

Ewart's Copper Turret Ventilator, Catalogue No. ....

For Pipe ..... inches diameter.

Price £ .....

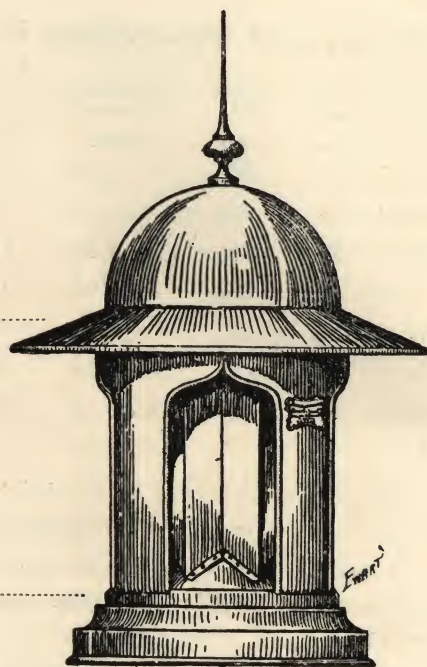
# Copper Ventilators of Special Design.

Many Architects prefer to design their own Ventilators. We therefore carry in stock the extractive parts of "Ewart's Ventilator" and can quickly make ornamental tops, bases and sides, thus producing an ornamental Ventilator to Architect's own design (combined with the great extractive power of "Ewart's Ventilator") speedily and at moderate cost.



Block A.

Showing extractive part of "Ewart's Ventilator" as kept in stock.



Block B.

The extractive part (block A) with top and base (representing Architect's design) added.

As a rough guide to cost of making Copper Ventilators of special design, we give approximate prices of a Ventilator of design B.

## Prices and Sizes of Ventilator (Design B) in Copper.

(Constructed entirely of Copper, plain parts riveted together.)

No. for Specification.	Diameter of pipe. Inches.	Outside Diameter of Head. Inches.	PRICES.		
			£	s.	d.
1154 C	12	36	6	5	0
1155 C	15	42	9	2	6
1156 C	18	54	12	0	0
1157 C	21	63	16	10	0

Can be supplied at same price with either circular or square base, but is always supplied with circular base, as illustrated, unless specified otherwise.

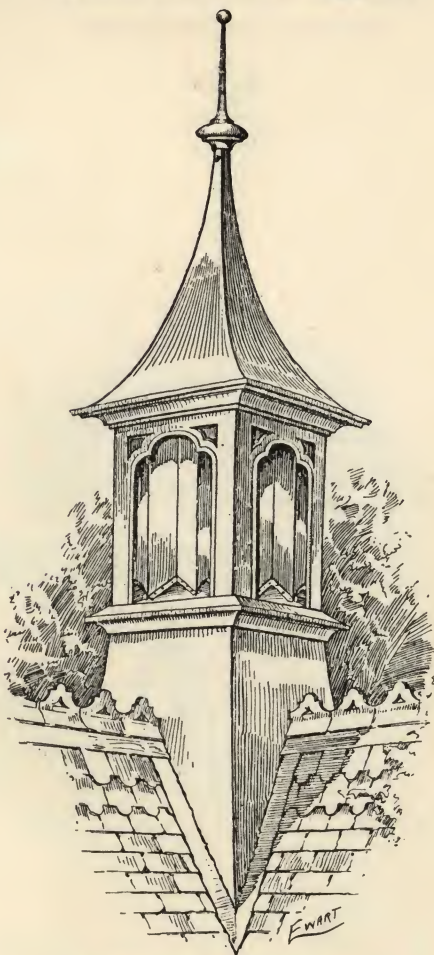


# Ewart's Copper Ventilating Turrets.

Constructed of Copper.

Patented.

Registered.



REQUIRES NO PAINTING.

## Prices and Dimensions.

Constructed entirely of Copper with necessary wood work down to sill moulding (but not including the roof seat), complete with wood curb inside sill moulding and necessary bolts ready for fixing to the roof seat formed by the contractors.

No. for Specification.	Approximate outside diameter of Mouldings. Inches.	Approximate height from under Sill Mouldings to top of Finial.		May be used for pipes. Inches.	Diameter of pipe advised. Inches.	PRICES.		
		Ft.	Ins.			£	s.	d.
1158 C	27	7	0	8 to 14	12	8	17	0
1159 C	36	8	0	10 to 16	15	11	2	6
1160 C	42	9	0	12 to 20	18	15	15	0
1161 C	51	12	0	15 to 23	21	21	0	0
1162 C	60	14	0	17 to 28	24	27	15	0

Copper Roof Seats extra.

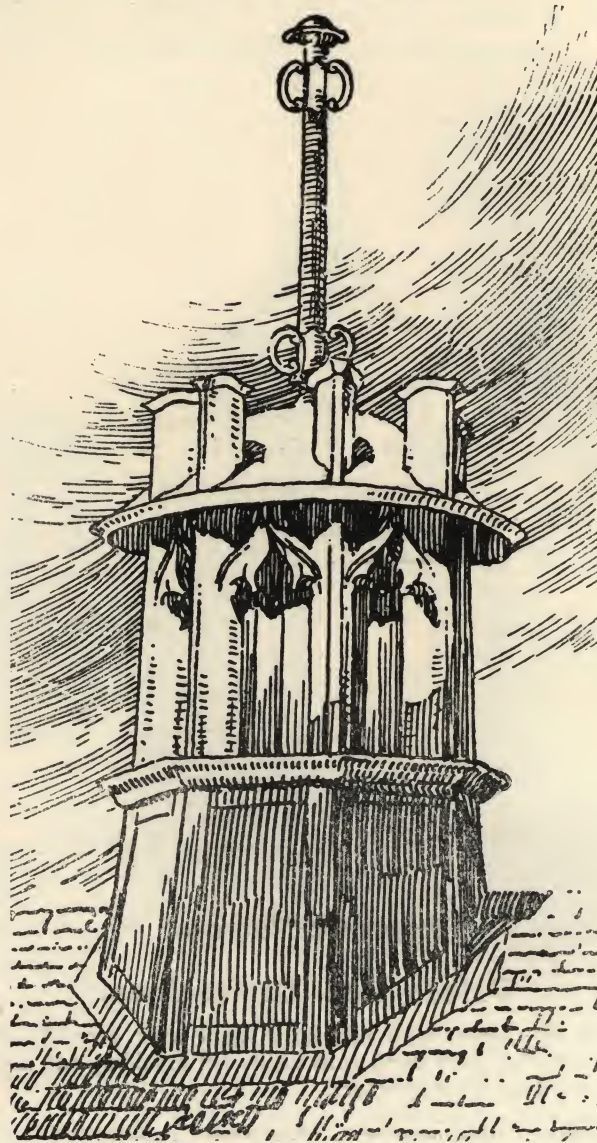
Estimates for carrying out Architects' own designs on receipt of the necessary particulars.

# Ewart's Copper Ventilating Turrets.

Constructed of Copper.

"Gothic" Design.

Patented and Registered.



REQUIRES NO PAINTING.

Constructed entirely of Copper, including Copper covering to wood roof seat, to be formed by the Contractor as far as the sill moulding.

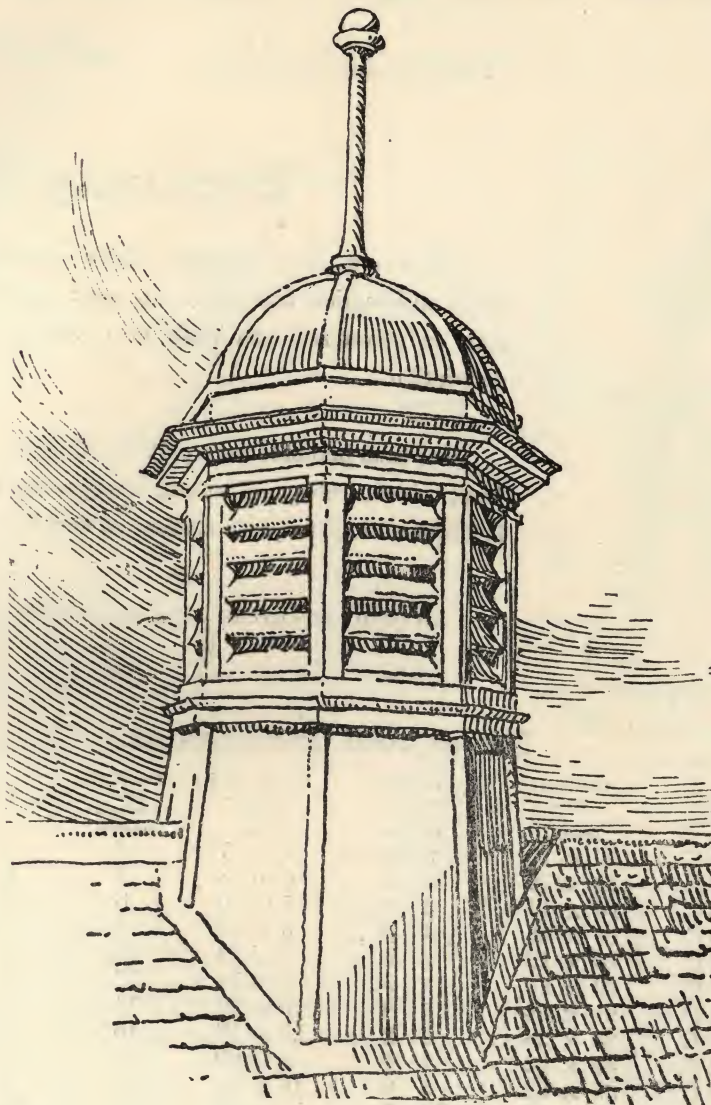
No. for Specification.	Diameter of outside Moulding. Inches.	Approximate total height. Ft. Ins.	Diameter of pipe. Inches.	PRICE. Complete.			PRICE. Without Base.		
				£	s.	d.	£	s.	d.
1163 C	28	8 0	12	18	10	0	12	0	0
1164 C	35	10 0	16	24	10	0	15	10	0

Prices for larger sizes on application.



# Ewart's Copper Ventilating Turrets.

Constructed of Copper. Design "W."



REQUIRES NO PAINTING.

This turret is suitable for fixing over an electric fan to allow the foul air to escape.

The price includes Copper covering to wooden roof seat to be formed by Contractor as far as sill moulding.

No. for Specification.	Diam. of outside Moulding. Inches.	Approximate total height. Ft. Ins.	Diam. of pipe. Inches.	PRICE.		
				£	s.	d.
1165 C	30	7 0	20	14	10	0

Prices for larger sizes on application.

# Ewart's Ventilator.

**Cheap Quality. Made of Stout Galvanized Iron and Painted.**

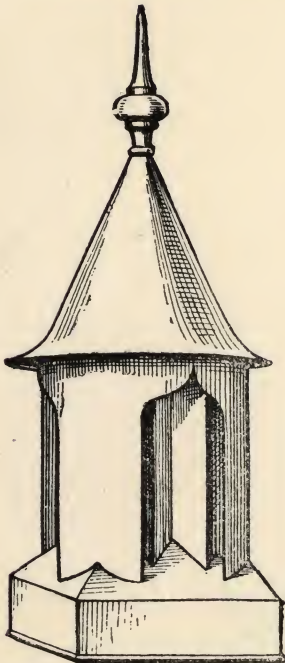
**Patented and Registered.**

## Economy.

There are many positions where efficiency is really the only consideration and where no great durability is essential, such as galvanized iron roofs or buildings of a temporary description.

For such purposes we supply Ventilators made of Galvanized Iron, which, though of course cheaper than the same sizes in Copper, are yet equally efficient as Ventilators.

All plain parts riveted together and fireproof.



**MADE OF STOUT GALVANIZED  
IRON, PAINTED.**

## Prices and Dimensions.

No. for Specification.	Inside of Base.	Height about.	May be used for pipes Diam.	Diam. of pipe advised.	PRICES. £ s. d.
	Inches.	Ft. Ins.	Inches.	Inches.	
1166 C	10 × 10	2 9	3 to 7	6	0 19 8
1167 C	12 × 12	3 3	4 to 8	7	1 4 0
1168 C	14 × 14	3 8	5 to 9	8	1 10 0
1169 C	16 × 16	4 0	6 to 10	9	1 17 0
1170 C	18 × 18	4 3	7 to 12	10	2 5 8
1171 C	20 × 20	4 9	8 to 14	12	2 18 4
1172 C	24 × 24	5 8	10 to 16	14	3 19 0
1173 C	28 × 28	6 2	11 to 18	16	4 14 0
1174 C	32 × 32	7 4	12 to 20	18	6 9 0
1175 C	36 × 36	8 9	15 to 23	21	8 0 0
1176 C	42 × 42	10 5	17 to 28	24	11 5 0
1177 C	48 × 48	11 6	20 to 32	28	15 5 0

These Ventilators require a wooden roof seat covered with Lead or Zinc to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is :—

Head	-	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
		5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-



# Ewart's Ventilator.

## Design "P."

Patented and Registered.

Cheap Quality.

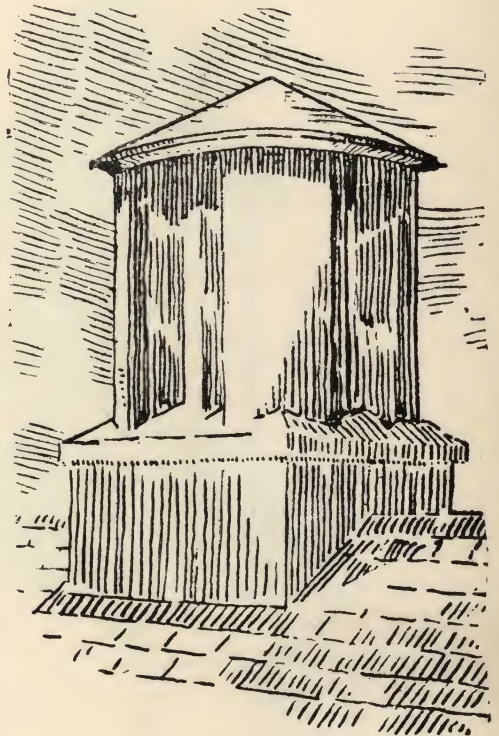
Made of Galvanized Iron and Painted.

### Prices and Dimensions.

No. for Specifi- cation.	Inside of Base.	Height about.	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Inches.	Inches.	£	s.	d.
1178 C	16 × 16	24	6 to 10	9	1	10	0
1179 C	20 × 20	27	8 to 14	12	2	0	0
1180 C	24 × 24	32	10 to 16	14	3	15	0
1181 C	28 × 28	38	11 to 18	16	4	0	0
1182 C	32 × 32	42	12 to 20	18	4	10	0

As efficient as Copper, but not so durable.

Will last as long as any other Ventilator made of Galvanized Iron.



These Ventilators require a wooden roof seat covered with Lead or Zinc to be provided by the Contractor. (See page 44).

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head	-	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
		5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

### Form for Specification.

Ewart's Iron Ventilator, Catalogue No.....

For Pipe.....inches diameter.

Price £.....

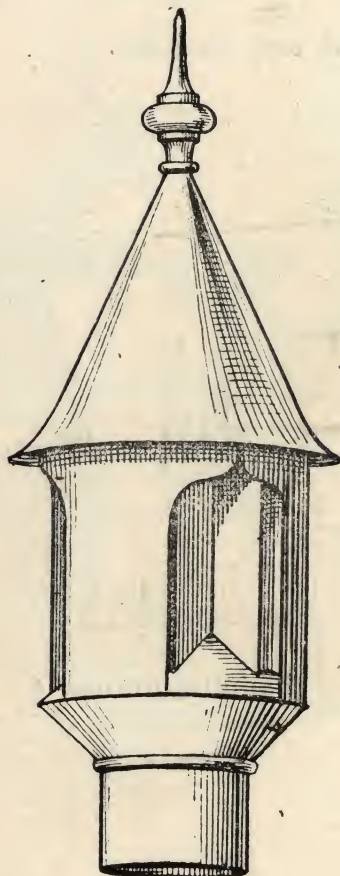
# Ewart's Ventilator.

Plain Pattern.

Cheap Quality.

With Round Base.

Patented and Registered.



MADE OF STOUT  
GALVANIZED IRON,  
PAINTED.

## Prices and Dimensions in Stout Galvanized Iron, Painted.

No. for Specifi- cation.	Diam. at Head.	Height about.	May be used for pipes.	Diam. of pipe advised.	PRICES.		
	Inches.	Inches.	Inches.	Inches.	£	s.	d.
1183 C	10	37	3 to 7	6	0	19	8
1184 C	12	43	4 to 8	7	1	4	0
1185 C	14	49	5 to 9	8	1	10	0
1186 C	16	53	6 to 10	9	1	17	0
1187 C	18	56	7 to 12	10	2	5	8
1188 C	20	63	8 to 14	12	2	18	4
1189 C	24	72	10 to 16	14	3	19	0
1190 C	28	80	11 to 18	16	4	14	0
1191 C	32	96	12 to 20	18	6	9	0
1192 C	36	115	15 to 23	21	8	0	0

For Slating Plates to fit over ridge of roof, see page 42.

As efficient as Copper, but not so durable.

Will last as long as any other Ventilator made of Galvanized Iron.

All plain parts riveted together and fireproof.

Wire work can be supplied to fit over the openings of the Ridge Ventilators to prevent birds getting inside. The extra cost is:—

Head	- 10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	24 in.	28 in.	32 in.	36 in.
	5/-	5/-	5/-	6/3	6/3	7/6	10/-	12/6	15/-	15/-

## Form for Specification.

Ewart's Iron Ventilator, Catalogue No.....

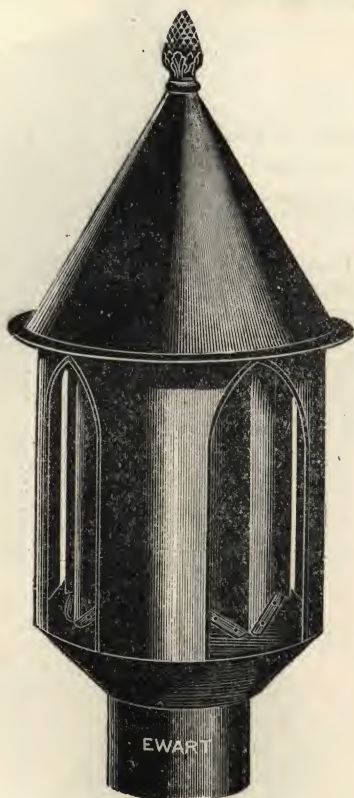
To slip over Pipes.....inches outside diameter.

Price £.....



# Ewart's "Standard" Ventilator.

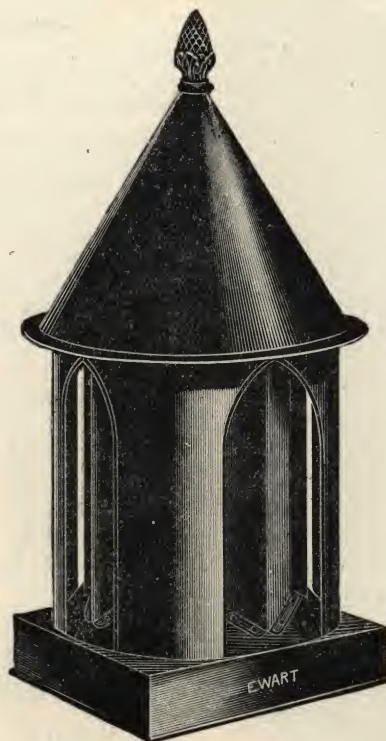
(REGISTERED.)



**No. 1193 D.**

Register No. 279187.

Pattern A, to fit over Round Pipes.



**No. 1194 D.**

Register No. 279188.

Pattern B, to fit over Square Wood Shaft.  
Made to fit Octagon Wood Shafts to order.

## DETAILS AND PRICES.

\* Purposes for which the different sizes are adapted.

	Diameter Outside Head. Inches.	Diameter of Pipe as Pattern A. Inches.	Size of Sq. Base as Pattern B. Inches.	Stout Zinc. £ s. d.	Galvanized Iron Painted. £ s. d.	Copper. £ s. d.
Soil Pipes and Small Rooms ... {	6	3	5 by 5	0 9 0	0 10 6	0 15 0
	8	4	6 " 6	0 10 6	0 12 6	0 19 0
Rooms of not more than 150 sq. ft. area	12	6	10 " 10	0 14 6	0 18 6	1 13 0
Rooms of 300 ft. area ...	16	8	14 " 14	1 6 0	1 10 0	2 18 0
Rooms of 400 ft. area ...	19	9	18 " 18	1 14 0	1 18 0	3 12 0
Shops or Small Halls of 600 ft. area	20	10	20 " 20	1 18 0	2 2 6	4 5 0
Halls accommodating 100 persons...	23	12	22 " 22	2 6 0	2 10 0	5 6 0
Halls accommodating 150 persons...	30	15	26 " 26	3 14 0	4 0 0	7 15 0
Halls accommodating 200 persons...	36	18	32 " 32	5 0 0	5 15 0	11 10 0

**NOTE.**—When ordering, state if required with Round Pipe as Pattern A, or Square Base as Pattern B.

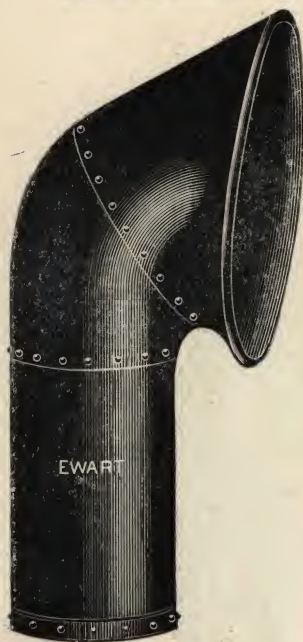
Size of Pipe or Bases may be varied to suit requirements.

For larger Ventilators special Quotations will be submitted on application. It will be found better, however, when convenient, to fix two or more Ventilators for Halls accommodating more than 200 persons.

\* These figures of capacity must be taken as rough estimates and on the understanding that ample provision is made for inlet of Fresh Air, and also that the position of the building is favorable.



# Ewart's Ship and Barge Ventilators Malthouse Cowls.



No. 1195 D.

## Ship and Barge Ordinary Rib Head Ventilator.

With short Pipe and  
Band.

20 Gauge.  
Painted Iron.

### PRICES. No. 1195 D.

Diameter of Pipe.	£	s.	d.
6in. ...	1	2	0
8in. ...	1	10	0
10in. ...	1	18	6
12in. ...	2	10	0
14in. ...	3	0	0

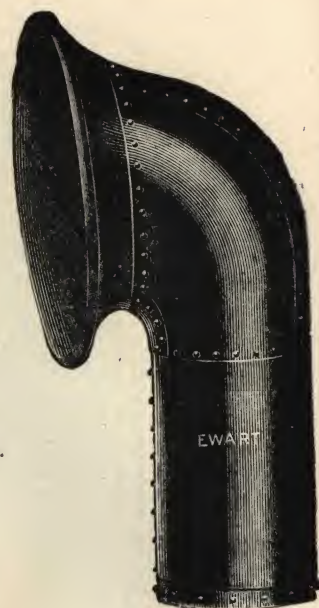
## Ship and Barge Bell Mouth Head Ventilator.

With Brass Bead,  
Short Pipe and Band.

20 Gauge.  
Painted Iron.

### PRICES. No. 1196 D.

Diameter of Pipe.	£	s.	d.
6in. ...	1	10	0
8in. ...	2	3	9
10in. ...	2	12	6
12in. ...	3	4	0
14in. ...	4	0	0



No. 1196 D.

## Ewart's Outlet Ventilators,

For Public Wash-houses,  
Breweries, Tanneries,  
Workshops, etc.,

for the carrying away of fumes  
and steam.

We pay special attention  
to this class of Ventilator.

## Ewart's "Malthouse" Cowl.

20 Gauge.  
Galvanized Iron.

### PRICES. No. 1197 D.

Diameter of Pipe.	£	s.	d.
16in. ...	2	2	0
18in. ...	2	15	0
21in. ...	3	7	6
24in. ...	4	2	6
30in. ...	5	17	6

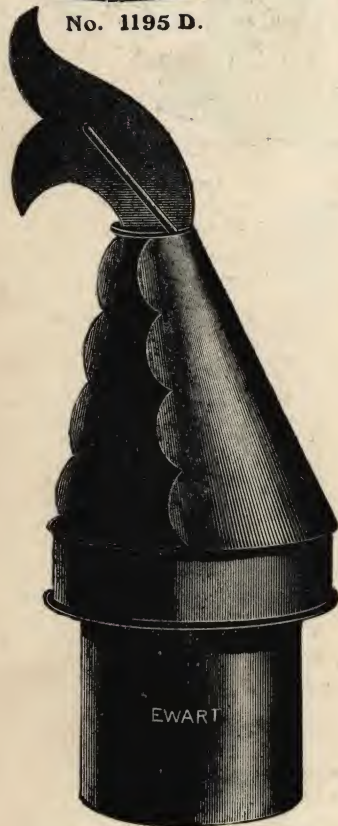
## Ewart's "Lobster" Cowl.

20 Gauge.  
Galvanized Iron.

### PRICES. No. 1198 D.

Diameter of Pipe.	£	s.	d.
16in. ...	2	10	0
18in. ...	3	2	6
21in. ...	3	17	6
24in. ...	4	12	0
30in. ...	6	15	0

**NOTE.**—It is strongly advised that these Ventilators should be constructed throughout of hardened Copper. Although the price is considerably higher the increase in cost is very slight in the proportion to the great increase in durability. Prices in Copper or Brass submitted on application.



No. 1197 D.



No. 1198 D.



# Ewart's Exhaust Ventilators.

Ewart's "Exhaust" Ventilator is suitable for the extraction of vitiated air from **Factories, Hospitals, Ships, Soil Pipes and Sewers**, and is low in price.

It is constructed upon sound scientific principles, that at whatever angle the wind strikes the cone it creates a partial **Vacuum** in chamber and under hollow cap, thus securing a continuous powerful upward current. The power can be increased to any extent by making the vacuum chamber larger in proportion to shaft. They can be constructed to suit any kind of architecture.

It is strongly recommended that the Ventilator should be made of Copper.

## Dimensions and Prices of No. 1199 D.

Diameter of Head. Inches.	Diameter of Pipe. Inches.	Galvanized Iron.			Copper.		
		£	s.	d.	£	s.	d.
12	6	0	11	0	1	0	0
16	8	0	13	6	1	8	0
20	10	0	17	0	2	0	0
24	12	1	1	6	2	15	0
27	14	1	8	6	3	15	0
30	16	1	18	0	5	0	0
34	18	2	10	0	6	17	0
40	20	3	10	0	9	0	0
44	24	5	0	0	12	0	0

## Prices of No. 1200 D.

Diameter of Head. Inches.	Diameter of Pipe. Inches.	Galvanized Iron.			Copper.		
		£	s.	d.	£	s.	d.
12	6	0	16	0	1	12	0
16	8	1	1	0	2	2	6
20	10	1	5	0	2	15	0
24	12	1	13	0	3	15	0
27	14	2	3	0	4	18	0
30	16	2	15	0	6	10	0
34	18	3	0	0	8	0	0
40	20	4	10	0	10	10	0
44	24	6	7	6	13	15	0

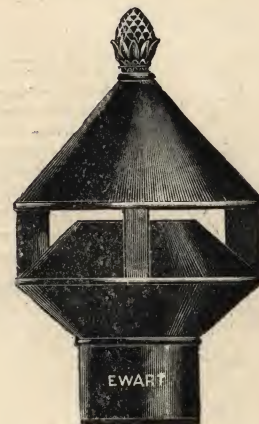
The Exhaust Ventilators may be fitted with round or square base to any size required. The usual stock sizes are as follows. The prices are for the base only and do **not** include the price of the Ventilator, which **must** be added.

## Prices of Bases only.

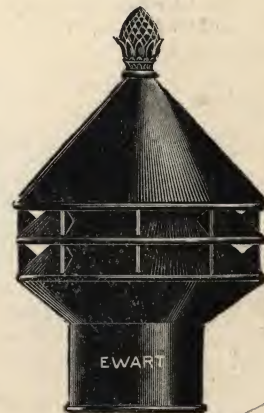
Diameter of Pipe. Inches.	Usual size of Base. Inches.	Galvanized Iron.			Copper.		
		£	s.	d.	£	s.	d.
6	10 × 10	0	7	0	0	15	0
8	12 × 12	0	8	6	0	19	0
10	14 × 14	0	10	0	1	1	0
12	18 × 18	0	13	0	1	7	0
14	20 × 20	0	15	0	1	10	0
16	22 × 22	0	17	6	1	16	6
18	24 × 24	0	19	6	2	2	0
20	26 × 26	1	1	0	2	9	0
24	30 × 30	1	3	0	2	17	6

For Slating Plates to fit over ridge of roof, see page 42.

NOTE.—Bird Wire fitted to order, for prices see page 6.



No. 1199 D.



No. 1200 D.

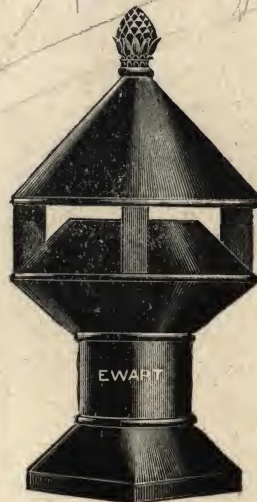
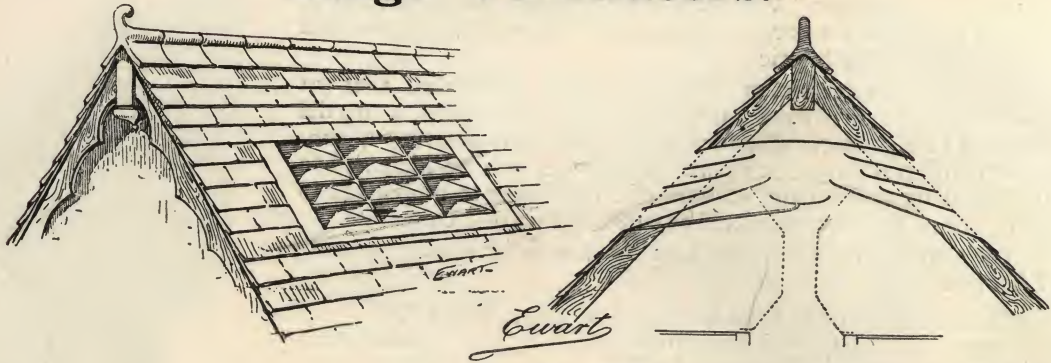


Illustration showing Square Base to Ventilator No. 1201 D.



# Ewart's "Concealed Roof" and Improved Ridge Ventilators.



**No. 1202 D.** Dark lines show Ventilator for Open Roof.  
Dotted lines show Ventilator for Ceiled Roof or pipe connection.

Ewart's Concealed Roof Ventilator is made perfectly water-tight.  
In using this Ventilator the design of the building is not interfered with. Made to fit any pitch of roof with face plate on both sides of roof and with special flange round same, requiring very little flashing.

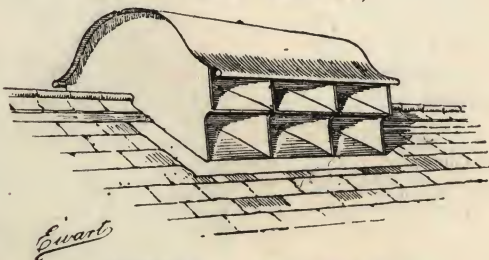
## PRICES. No. 1202 D.

Made of Galvanized Steel painted and for Roofs with pitch not less than 60 degrees.

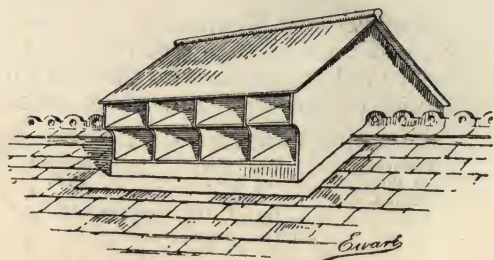
Length.	For Open Roof.			For Ceiled Roof, not including Connecting Pipe.			Extra for Bird Wire.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 ft. 6 in. ....	2	5	0	2	15	6	0	5	0
2 ft. 0 in. ....	2	18	6	4	0	0	0	6	0
2 ft. 6 in. ....	3	7	6	5	10	0	0	7	6
3 ft. 0 in. ....	4	5	0	6	0	0	0	9	0
3 ft. 6 in. ....	5	0	0	6	10	0	0	10	6
4 ft. 0 in. ....	5	10	0	7	5	0	0	12	0

For roofs of less pitch than 60 degrees add one-third to the above prices.  
Prices for connecting pipes and ceiling intakes on application stating particulars.  
For fixing instructions see page 45.

## Ewart's Circular Top Exhaust Ridge Ventilator. (WEATHER PROOF.)



## Ewart's Conical Top Exhaust Ridge Ventilator.



## PRICES. No. 1203 D.

Made of strong Galvanized Steel, painted.

20 in. wide ....	£	s.	d.	per foot run.
24 in. „ ....	1	10	0	„ „ „
30 in. „ ....	2	0	0	„ „ „
36 in. „ ....	2	5	0	„ „ „

## PRICES. No. 1204 D.

Made of strong Galvanized Steel, painted.

Extra for	20 in. wide ....	£	s.	d.	per foot run.
Bird Wire	24 in. „ ....	1	10	0	„ „ „
3/-	30 in. „ ....	2	10	0	„ „ „
per foot run.	36 in. „ ....	3	1	0	„ „ „

Nos. 1203 D and 1204 D, if prepared for pipe connection, or for ceiled roofs, add one-third to the above prices.

Any of the above patterns may be made in Copper or Zinc, and in most instances in Zinc at lower prices, estimates submitted on receipt of details.

Quotations submitted for any size or special design of Ridge Ventilator.

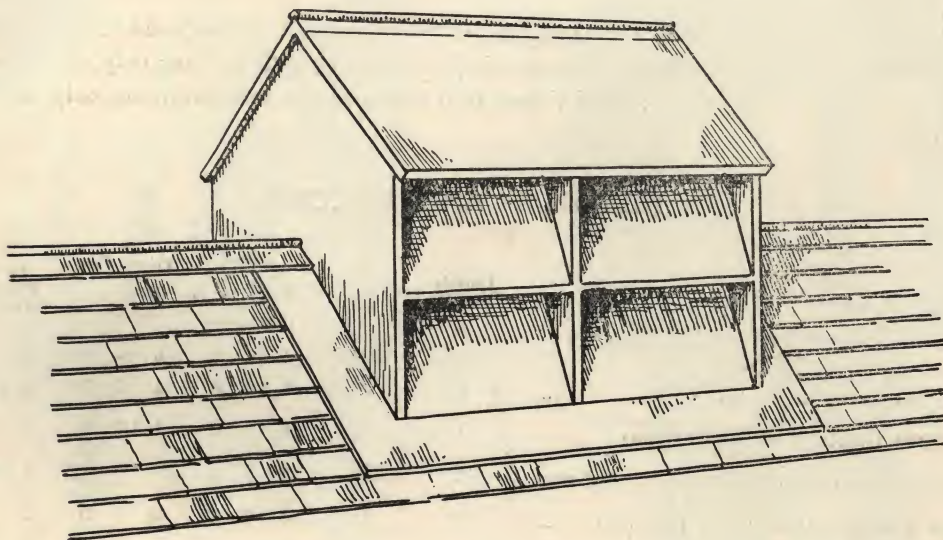


# Ewart's Factory Ventilator.

Cheap Quality. Design "O."

For Factories a large area of outlet to allow the hot foul air to escape freely, is often more important than a powerful but expensive exhaust Ventilator.

Ewart's Factory Ventilator is a good type of cheap Ventilator, and is very easy to fix.



No. for Specification.	Length of Body. Inches.	Width. Inches.	PRICE.			Extra for Bird Wire.		
			£	s.	d.	£	s.	d.
1205 C	14	14	1	5	0	0	5	0

Constructed of stout Galvanized Iron complete with slating flanges ready for fixing.

The protection of Bird Wire is recommended as it is found that birds sometimes build in this type of Ventilator. It may stop much annoyance and can be added at small additional cost.

When specifying, please state clearly pitch of roof.

Another suitable Ventilator for Factory purposes is our "Exhaust" Ventilator fitted with special slating flange. (See page 25).

# Ewart's "Victoria" Ventilator.

NOISELESS.

PATENT.

Ewart's Patent "Victoria" Ventilator is unquestionably the most perfect outlet Ventilator yet constructed. The result of many experiments show that under equal conditions and with equal diameter of pipes, Ewart's "Victoria" Ventilator extracts a larger volume of air than any other pattern, whether of the fixed or revolving type, and that at all times, under any condition of wind pressure, there is less down blow. Experiments made by applied force show that the "Victoria" exerts double the extraction force of the "Archimedian" (sustaining a piece of silk in a glass pipe twice as long), and also that the revolution of the blades continues (after the silk has fallen) about two-thirds longer.

The "Victoria" is made in three qualities, either throughout of hardened Copper, which is recommended for elevated positions where fixing is costly; or with the fans only of Copper, the cap and tube of Iron japanned; or of tinned Iron japanned, the interior frame only of Copper and Brass.

## DETAILS AND PRICES.

	Outside Diameter.	Diameter of Pipe.	Prices, made of Hardened Copper throughout.			Prices, Fans only of Hardened Copper.			Prices of Tinned Iron Japanned.		
			£	s.	d.	£	s.	d.	£	s.	d.
Soil Pipes           ...       ...       ...       ...	6	3	1	12	6	1	4	6	0	19	0
Soil Pipes, closets, or small bath rooms       ...	8	4	1	14	6	1	10	0	1	3	0
Small dwelling rooms up to 200 square feet area	12	6	2	7	6	1	18	6	1	10	0
Shops or rooms up to 500 square feet area       ...	14	8	3	8	6	2	7	0	2	0	0
Schools for 50 children, or Churches for 70 persons	17	10	4	1	0	3	1	6	2	8	0
Churches or Halls accommodating 120 persons	22	12	5	11	0	4	6	0	3	0	0
Churches or Halls accommodating 200 persons	25	14	7	7	0	5	12	0	4	4	0
Churches or Halls accommodating 250 persons	28	16	9	9	0	7	0	0	5	7	0
Theatres or Halls designed for 300 persons       ...	30	18	11	11	0	8	9	0	6	10	0
Theatres or Halls designed for 400 persons       ...	33	20	13	13	0	10	5	0	8	0	0
Theatres or Halls designed for 600 persons       ...	40	24	18	18	0	13	6	6	10	10	0

Square or round Bases to any design fitted to the above Ventilators (See pages 41 & 42).

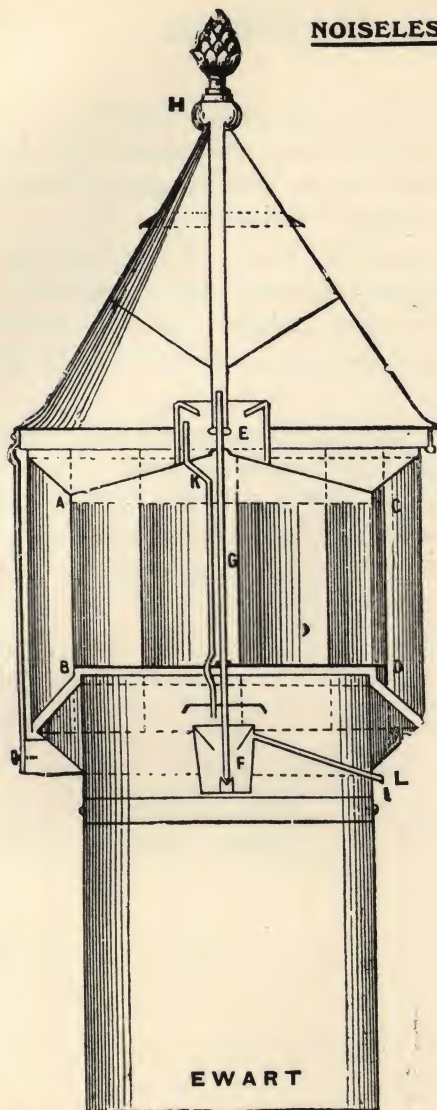
It will be noticed that a higher capacity is named for the different sizes of the "Victoria" than for other Ventilators. The revolving fans in this pattern give a greater extractive force, and, wherever it is possible to pour in a supply of oil once in every two or three years, this Ventilator will be found the most economical and effective. For larger buildings it is advised that two or more ventilators should be used.



# Ewart's "Victoria" Ventilator.

NOISELESS.

PATENT.



No. 1206 D.

**A.B.C.D.**—Revolving Fans.

**E.**—Copper Oil Cup, for keeping top bearing of Spindle constantly lubricated.

**F.**—Copper Oil Cup, for keeping point of Spindle constantly lubricated.

**G.**—Spindle revolving in Brass fitting at top, and in Steel centre at bottom.

**K.**—Copper connecting Tube, carrying Oil which overflows from top Cup into bottom Cup.

**L.**—Copper Tell-Tale Tube, carrying Oil which overflows from bottom Cup outside the Ventilator.

**H.**—Knob which may be unscrewed for re-filling.

When Oil is poured in at **H**, it flows first into the top Oil Cup **E** : when this is quite full the Oil flows over through the tube **K** and fills the lower Cup **F** : when this is full, but not till then, the Oil overflows through the tell-tale tube **L** and shows that both Cups are quite full.

# Ewart's "Empress" Ventilator.

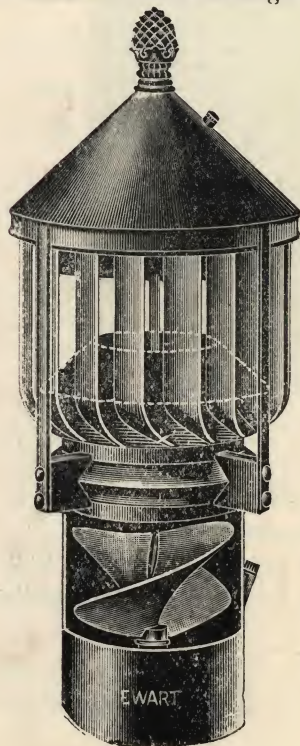
## "Archimedian" Pattern.

This Ventilator differs from the ordinary so-called "Archimedian" Ventilator in some important points. In the ordinary "Archimedian" Ventilator the whole of the top revolves, in the Ewart "Empress" the cap is stationary and only the fans and screw revolve, thus throwing less weight upon the central point, thereby reducing the friction.

Again, the ordinary "Archimedian" Ventilator is open to the base of the fans, rendering easy ingress to gusts of wind or driving rain to the discomfort of those within the building. To obviate this serious defect the "Empress" is constructed with an interior cone placed at such an angle, with a flat top plate, so that the wind striking the cone is deflected and escapes at the other side of the fans instead of blowing down the tube.

Although Ewart's "Empress" Ventilator contains these improvements, the prices compare favourably. A comparison of the prices given in the accompanying table with those of the ordinary "Archimedian" pattern shows that when made in a similar material, namely, tinned iron japanned, the "Empress" works out as cheaply, but we strongly advise that Ventilators should be specified to be constructed throughout of hardened Copper, as although the price is considerably higher the increase in cost is very slight in the proportion to the great increase in durability. A Ventilator in Copper will last as long as the Building, whilst Iron may perish in a few years.

In the accompanying table the prices are also quoted for the "Empress" Ventilator made of Stout Zinc, which although inferior to Copper, is more durable than Iron.



No. 1207 D.

### PRICES.

Diameter of Pipe.	Outside Diameter.	Prices, made of Stout Zinc.			Prices, made of Tinned Iron not Japanned.			Prices, made of Tinned Iron, Japanned.			Prices, made of Hardened Copper.		
Inches.	Inches.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
2	4	0	8	6	0	9	6	0	10	6	0	16	0
2½	5½	0	9	6	0	10	6	0	12	0	0	18	0
3	5½	0	9	6	0	10	6	0	12	0	0	18	0
4	6	0	11	0	0	12	0	0	14	6	1	1	0
5	7½	0	12	0	0	13	6	0	15	6	1	4	0
6	9	0	13	6	0	15	0	0	17	0	1	6	6
8	11	1	1	0	1	2	6	1	7	6	2	4	0
10	14	1	4	6	1	5	6	1	11	6	2	15	0
12	17	1	10	0	1	11	0	1	18	0	3	12	0
15	20	2	5	0	2	8	0	2	15	0	5	0	0
18	23	3	0	0	3	2	0	3	14	0	7	2	0

Prices for larger sizes submitted on application.  
Square or round Bases to any design fitted to the above Ventilators

(See pages 41 & 42).



# Ewart's Fresh Air Vertical Inlet Tubes

(Tobin's Principle).

To secure efficient ventilation without draught provision must be made not only for outlet of foul air, but also for the admission of sufficient quantity of fresh air without opening doors or windows. Such provision is most conveniently made by fixing tubes in suitable positions round the walls. The tubes should admit the air through the walls at or near the floor level, and should stand about 5 ft. 6 in. high, so that the stream of fresh, cool air should receive an upward direction and enter the building above the heads of the occupants. When it is not convenient to continue the tubes to the floor, short tubes may be placed against the walls, admitting the air at about the same height.

As a general rule the combined areas of the inlet tubes should exceed by about one-third the combined area of the outlet ventilators.

To meet the varieties of air pressure and temperature, it is desirable that the tubes should be fitted with valves which may be wholly or partially closed at pleasure.

When buildings are surrounded on two or three sides, inlets of the ordinary type are impossible. When this occurs there are several means of overcoming the difficulty, and we are pleased to submit particulars and schemes on enquiry.

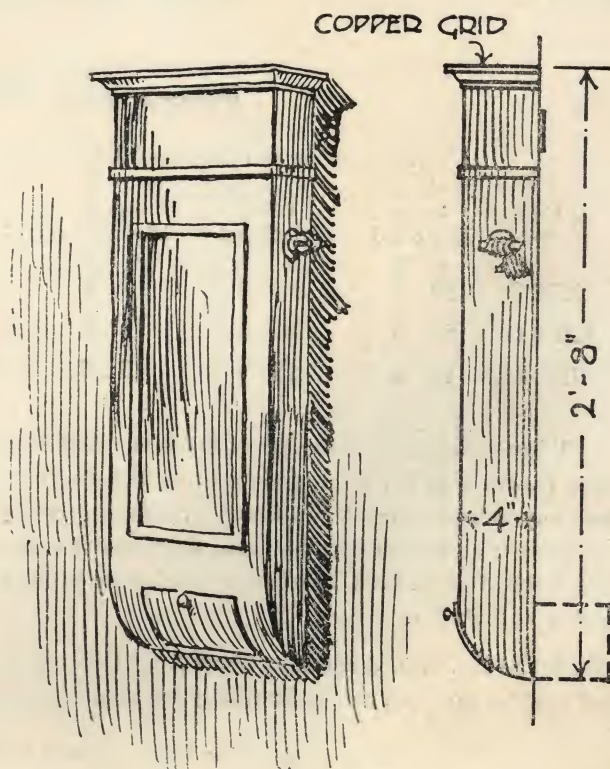
## Design "M" No. 1208 C.

Inlet Tube 2 ft. 8 in.  $\times$  12 in.  $\times$  4 in.,

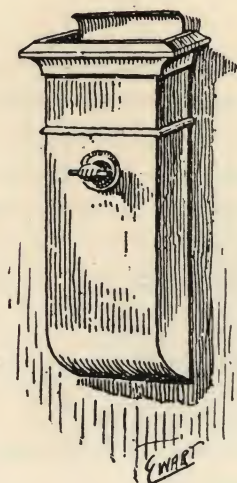
fitted with stout Copper Grid at top,

Throttle Valve and Cleaning Door

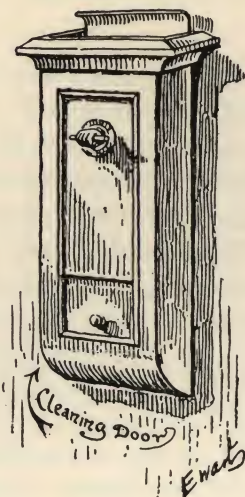
15/- each.



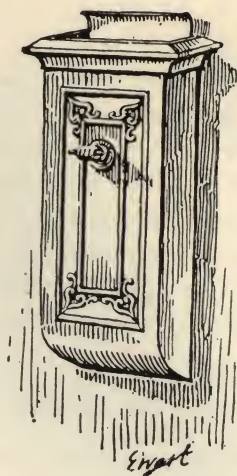
# Ewart's Improved Air Inlet Brackets.



No. 1209 C.



No. 1210 C.



No. 1211 C.

Complete with Brass Fist Handles, with improved Regulating Valves and Indicators, fitted with Shields to prevent discolouration of walls and including return ends for fixing to walls.

## Prices and Sizes.

Made of stout Galvanized Iron, riveted together and painted.

List No.	Inches. 18×6×3		Inches. 18×9×4		Inches. 18×12×4		Inches. 24×6×3		Inches. 24×9×4		Inches. 24×12×4	
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
1209 C	10	6	12	0	12	6	12	6	14	0	15	6
*1210 C	12	6	13	6	15	0	15	0	16	6	18	0
1211 C	13	6	14	6	15	6	15	6	17	6	18	6

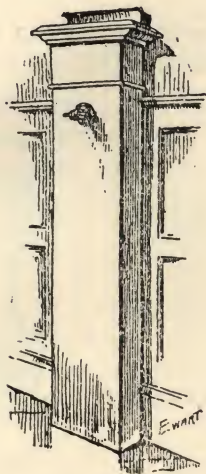
When desired, Inlet Brackets can be supplied with Valve Fronts (similar to Valve Fronts of Inlet Panels, page 36) at an extra cost of 25% to above prices. Valve Fronts show more clearly than any indicators exact position of Ventilator, whether open, partially open, or closed, and also conduct the air further into the room, thus entirely preventing discolouration of walls. When fitted with Valve Fronts, Inlet Brackets may also be let into the brickwork so as to be flush with the surface of the walls.

\* The No. 1210 C Air Inlet Bracket is fitted with cleaning out door; this door slides upwards and enables any dust, etc., to be readily removed.

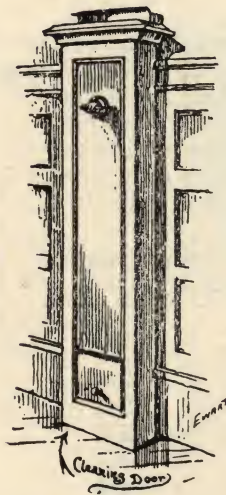
Estimates for other sizes on receipt of the necessary particulars.



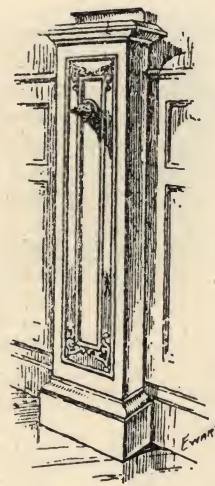
# Ewart's Improved Air Inlet Columns.



No. 1215 C.



No. 1216 C.



No. 1217 C.

Complete with Brass Fist Handles, with improved Regulating Valves and Indicators, fitted with Shields to prevent discolouration of walls and including return ends for fixing to walls.

## Prices and Sizes.

Made of stout Galvanized Iron, riveted together and painted.

List No.	Inches. 6×3 s. d.	Inches. 8×3 £ s. d.	Inches. 9×4 £ s. d.	Inches. 12×4 £ s. d.
1215 C	15 6	0 17 6	0 19 0	1 1 0
*1216 C	18 0	0 19 0	1 1 0	1 2 6
1217 C	19 0	1 0 0	1 2 0	1 4 0

The height of the stock pattern Inlet Columns priced above is six feet, but may be varied six inches either way without extra cost.

When desired, Inlet Columns can be supplied with Valve Fronts (similar to Valve Fronts of Inlet Panels, page 36) at an extra cost of 25% to above prices. Valve Fronts show more clearly than any indicators exact position of Ventilator, whether open, partially open, or closed, and also conduct the air further into the room, thus entirely preventing discolouration of walls. When fitted with Valve Fronts, Inlet Columns may also be let into the brickwork so as to be flush with the surface of the walls.

\* The No. 1216 C Air Inlet Column is fitted with cleaning out door ; this door slides upwards and enables any dust, etc., to be readily removed.

Estimates for other sizes on receipt of the necessary particulars.

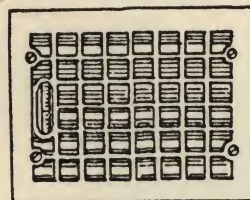
# Inlets.

No. 1218 C.

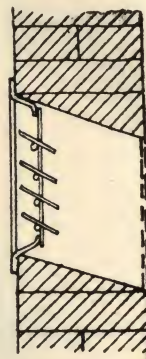
Where space is important, Ewart's Improved Louvre Inlets are suitable and can be calculated to admit the correct quantity of fresh air required. In appearance they are superior to the ordinary Inlet Hopper, cost less, and **do not project beyond the face of the wall.** The Inlets are arranged to fix on the inside of the wall, terminating externally with a grating placed on a lower level to ensure an upward current of fresh cold air.

## Sizes, Area & Prices of Ewart's Inlets.

Box Size. Inches.	Clear Area. Inches.	PRICE. Inlet.	PRICE. Wall Frame.	PRICE. Outside Grating.
8 × 6	32	3/6	2/-	1/3
10 × 8	54	4/-	2/9	1/6
12 × 10	80	5/-	3/6	2/-
14 × 10	100	6/9	3/9	2/3
14 × 12	112	9/3	4/6	2/6
18 × 12	144	14/6	5/6	3/-
22 × 14	206	21/-	7/6	4/6

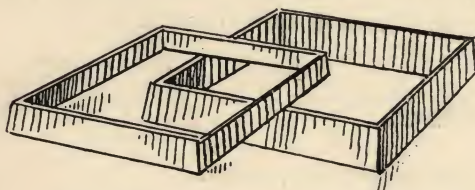


INTERIOR ELEVATION



SECTION  
SHOWING FIXING  
IN BRICK WALL.

## WALL FRAMES.

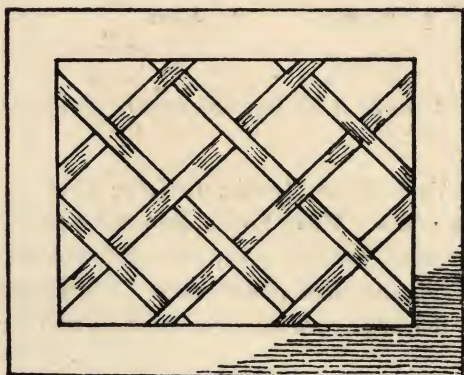


These Inlets can be supplied with regulating Quadrants, price 2/6 each.

Cast-iron Wall Frames furnish the best means of holding Ewart's Louvre Inlets securely in place in brick walls. They can be masoned solidly into the brickwork, and the Louvres, being attached by screws, can be removed at any time for cleaning without injury to the walls.

## EWART'S "DIAMOND" CEILING PLATES & GRATINGS.

No. 1230 C.



It is often desirable to have Gratings over the doors for additional Air-Inlets, and for this purpose we supply the "DIAMOND" Grating in "interlaced" Copper or Steel Tape.

### Prices and Dimensions.

(Exclusive of Outer Moulding).

Inches.	Steel, Painted.			Copper.		
	£	s.	d.	£	s.	d.
12 × 12	0	4	6	0	10	0
18 × 18	0	6	6	0	16	0
20 × 20	0	8	6	1	0	0
24 × 24	0	11	6	1	5	0
60 × 6	0	12	6	1	7	0

This Grating is also used for Ceiling Plates in place of plaster, which obstructs the free extraction of the air.

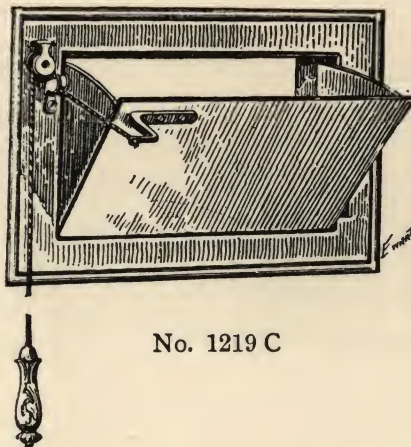
Other sizes to order in Copper, about 7/6 per square foot.

„ „ „ „ „ Steel „ 3/6 „ „ „ „



# "Sheringham's" Inlet Ventilator.

For introduction of fresh air through external wall. May be fixed in any position but preferably about 2ft. below ceiling, with air brick of corresponding size outside and the opening cemented to allow free passage of air. In conjunction with our Mica Flap Outlet Ventilators (see page 37) fixed in flue, our Sheringham Inlet Ventilators will provide efficient ventilation for dwelling rooms.



No. 1219 C

## Prices and Sizes.

Including balance weight and pulley wheels but not including cord.

Front Size, Inches	...	$11\frac{1}{2} \times 5\frac{1}{2}$	$11 \times 8\frac{1}{2}$	$10\frac{3}{4} \times 10\frac{3}{4}$	$16 \times 8\frac{1}{2}$
Box Size, Inches	...	$9 \times 3$	$9 \times 6$	$9 \times 9$	$13\frac{1}{2} \times 6$
Price, Plain Iron	...	3/9	5/-	6/-	6/3
Price, Galvanized Iron	...	6/-	8/-	9/9	10/-

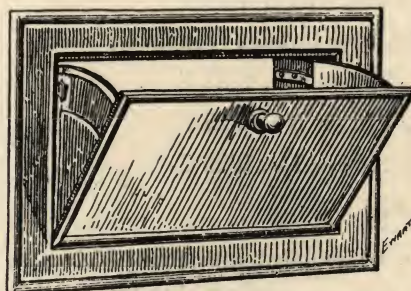
Supplied with balance weight on left or right hand, but always sent left-handed, as illustrated, unless ordered otherwise.

# Ewart's Cast Iron Inlet Panel.

New Pattern.

Registered.

Front removable for cleaning purposes. The adjustable Valve Front will remain open at any desired angle without the use of balance weight, cord, or pulley.



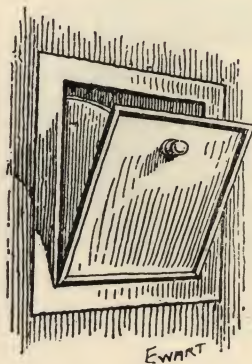
No. 1220 C

## Prices and Sizes.

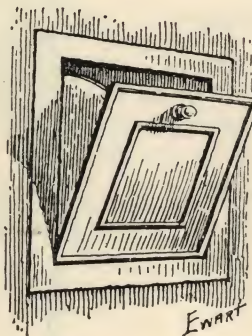
Box Size, Inches	...	$8 \times 3$	$6\frac{5}{8} \times 6$	$8\frac{1}{2} \times 6$	$9 \times 8$	$9 \times 10\frac{1}{2}$	$13\frac{1}{2} \times 6$
Price, in Plain Iron	...	3/9	4/3	5/-	6/-	7/6	6/3
Price, in Galvanized Iron	...	6/-	7/-	8/-	9/9	10/6	10/-

Can be supplied with Eye instead of knob as illustrated for regulating with long arm when fitted out of reach.

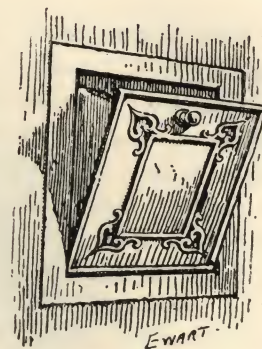
# Ewart's Improved Air Inlet Panels.



No. 1221 C.



No. 1222 C.



No. 1223 C.

With Adjustable Valve Fronts, which will remain open at any desired angle.

## Prices and Sizes.

Made of stout Galvanized Iron, riveted together and painted.

Front Size, Inches	...	...	$10\frac{1}{2} \times 7\frac{1}{2}$	$11\frac{1}{2} \times 9\frac{1}{2}$	$13\frac{1}{2} \times 11\frac{1}{2}$
Box Size, Inches	...	...	$9 \times 6$	$10 \times 8$	$12 \times 10$
*Valve Front opens, Inches	...	...	4	$4\frac{1}{2}$	5
†Net Air Way through Ventilator, Inches	...	...	24	36	50
Prices, Pattern No. 1221 C	...	...	8/6	9/6	10/-
Prices, Pattern No. 1222 C	...	...	9/6	10/6	11/-
Prices, Pattern No. 1223 C	...	...	11/-	12/-	12/6

\*Can be supplied with Front Valves to open to any extent not exceeding 6 inches. The size opening listed is, however, that recommended, and the Improved Air Inlet Panels will be always thus supplied unless otherwise specified. When desired, a "stop" may be added, preventing the Valve Fronts from being entirely closed. When a "stop" is desired, please specify the minimum opening the "stop" is to allow.

†This area of net Air Way is calculated with Valve Fronts opening to the dimensions given, but may be increased by specifying the Valve Fronts to open to a greater extent.

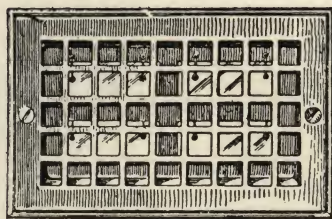
Estimates for other sizes on receipt of the necessary particulars.



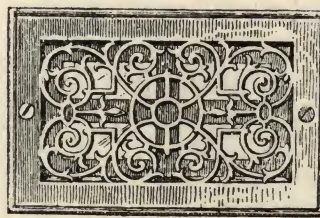
# Ewart's Mica Flap Ventilators.

No. 1224 C.

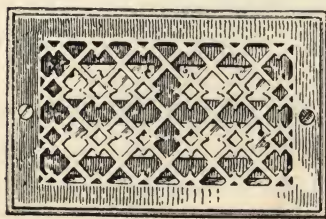
The best self acting, smoke proof Ventilators for Chimney Breasts.



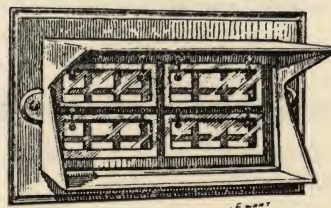
Pattern A.



Pattern B.



Pattern C.



Back View.

## Prices and Dimensions.

## Patterns A, B and C.

No. 1224 C.

Front Size, Inches.	Box Size, Inches.	Price. Plain Iron.			Price. Galvanized Iron.		
		£	s.	d.	£	s.	d.
11 × 5	9 × 3	0	2	2	0	3	4
8 × 8	6½ × 6½	0	3	3	0	4	6
11 × 7	9 × 5	0	3	9	0	5	0
11 × 9	9 × 7½	0	5	0	0	7	0
11 × 11	9 × 9	0	6	0	0	8	6
14 × 11	12 × 9	0	8	6	0	12	0
16 × 11	14 × 9	0	9	6	0	12	6
20 × 11	18 × 9	0	14	0	0	18	6
*14 × 20	12 × 18	1	5	6	1	12	6
18 × 24	16 × 22	1	18	0	2	11	9

\*This size can be supplied both vertical and horizontal, i.e., 20 in. × 14 in. and 14 in. × 20 in.

Can be supplied with Polished Brass Fronts when desired.

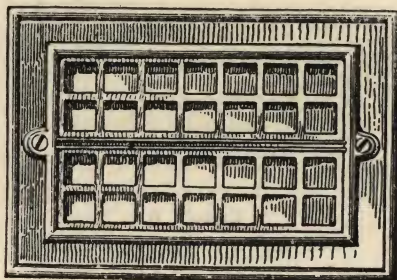
Prices on application.

# Ewart's Silk Flap Ventilators.

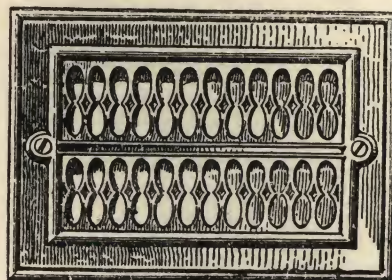
No. 1225 C.

The Silk Flap Ventilators are most suitable for hospitals on account of their sensitive action, the silk flap being of a soft, pliable nature and perfectly noiseless.

These Ventilators are not recommended for smoke flues, where our improved Mica Flap Ventilators (page 37) should be used.



Pattern No. 1.



Pattern No. 2.

## Prices and Sizes. Patterns No. 1 or No. 2.

Front Size, Inches	...	11 × 5½	11 × 8½	11 × 11½	15 × 11½	14 × 15
Box Size, Inches	...	9 × 3	8½ × 6	9 × 9	13¼ × 9	12 × 13
Price, Plain Iron	..	3/6	5/9	7/6	9/3	13/9

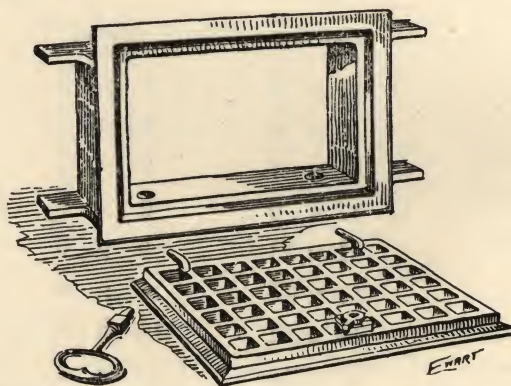
Other sizes and finishes to order at slight extra cost.

# Ewart's Detachable Gratings.

No. 1226 C.

## Registered. New Pattern.

Inlet Ventilators are so often used (especially in schools) as "dust-bins or waste paper boxes" that Gratings which are easily removable for cleaning purposes are strongly recommended.



## Prices and Sizes.

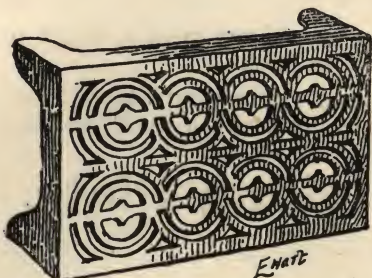
Gratings readily removed for cleaning out purposes; secret fastening, no screws necessary.

Width of Opening, Inches	...	8	6½	8½	9	9	9	9	14	14
Height of Opening, Inches	..	3	6	6	8	10½	15	23	23	29
Price, Plain Iron	...	1/8	1/10	1/11	3/-	3/4	4/8	7/3	9/6	11/6
Price, Galvanized Iron	...	2/6	3/-	3/3	4/9	5/6	7/3	11/6	15/-	17/6

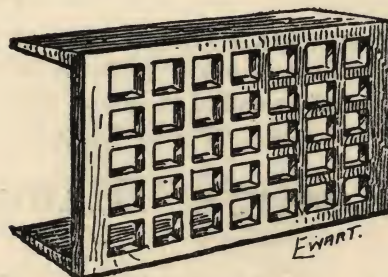
Japanned loose Keys for opening, 4d. extra.



# Ewart's Cast Iron Air Bricks.



Ring Pattern. No. 1227 C.



Square Hole Pattern. No. 1228 C.

## Prices and Sizes.

## Ring Pattern. No. 1227 C.

Size, Inches	.. .. 9 x 3	9 x 6	9 x 9	12 x 6	12 x 9	18 x 12
Price, Plain Iron, per doz.	3/9	7/-	13/-	13/9	17/6	26/3
Price, Galvanized Iron, per doz.	6/6	12/6	24/6	25/-	31/-	42/6

## Prices and Sizes.

## Square Hole Pattern.

## No. 1228 C.

Size, Inches	.. .. 6 x 6	9 x 3	9 x 6	9 x 9	12 x 6	12 x 9
Price, Plain Iron, per doz.	8/3	7/-	12/-	13/-	12/6	21/3
Price, Galvanized Iron, per doz.	13/-	12/-	20/6	27/-	25/-	37/6
Size, Inches	.. .. 12 x 12	14 x 9	14 x 14	18 x 6	18 x 9	18 x 12
Price, Plain Iron, per doz.	27/-	23/-	32/-	20/-	25/6	35/-
Price, Galvanized Iron, per doz.	45/-	41/6	59/-	36/6	50/-	67/6

## Special Large Gratings (not in stock).

Size, Inches	.. .. 18 x 18	18 x 24	24 x 24	Other sizes and prices
Plain Iron	.. .. 3/3	4/6	5/6	on application.

## Ewart's Hit & Miss Grating.

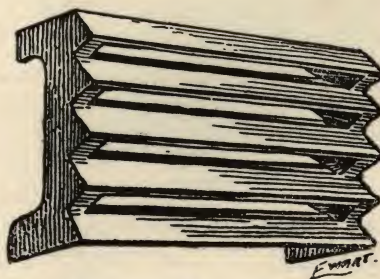


Ewart's No. 1229 C.

Straight Bar. With Sliding Ventilator.

Size Inches	9 x 3	9 x 6	9 x 9	12 x 6	12 x 9	14 x 9	18 x 9
Plain Cast Iron, per doz.	8/-	12/6	22/6	27/6	30/-	37/6	44/-
Galvanized Cast Iron							
per doz.	14/-	20/-	31/-	37/6	44/-	52/6	55/-

## Ewart's Louvre Air Bricks.



Ewart's No. 1121 C.

Size, Inches	....	....	9 x 6	9 x 9	12 x 6	12 x 9
Plain Cast Iron	per doz.	18/-	29/-	25/-	37/6	
Galvanized Cast Iron	..	29/-	42/-	36/6	54/-	



# Ewart's Copper, Steel and Zinc Ceiling Plates.

The "DIAMOND" Ceiling Plate can be made to any size, of any mesh or width of tape, and if desired can be made square instead of diamond pattern mesh.

It is usually supplied in  $\frac{3}{16}$ -in. Copper Tape,  $\frac{3}{4}$ -in. mesh, with a stout Copper wire frame to be fixed in ceiling opening, which can afterwards be covered with a wood moulding.

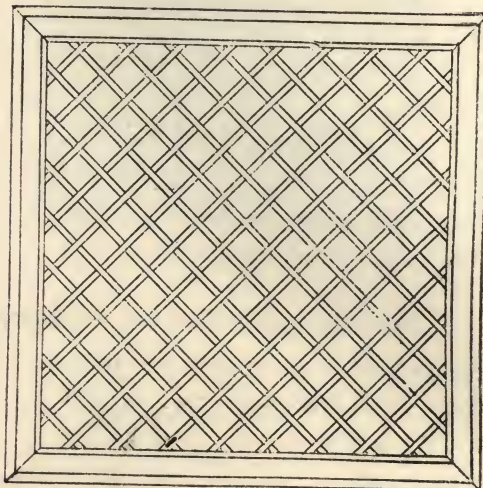
## Ewart's "Diamond" Ceiling Plate.

Made of Interlaced Copper or Steel Tape.  
Requires Wood Moulding.

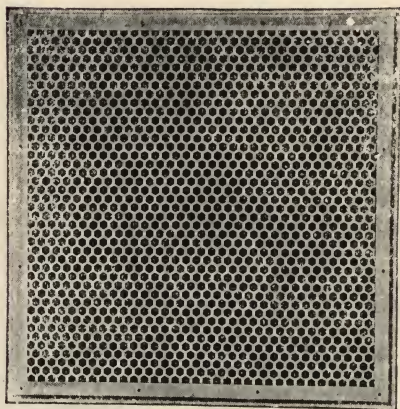
PRICES. No. 1230 C.

Ins.	Ins.	Steel.			Copper.		
		£	s.	d.	£	s.	d.
12	× 12	0	4	6	0	10	0
18	× 18	0	6	6	0	16	0
20	× 20	0	8	6	1	0	0
24	× 24	0	11	6	1	5	0

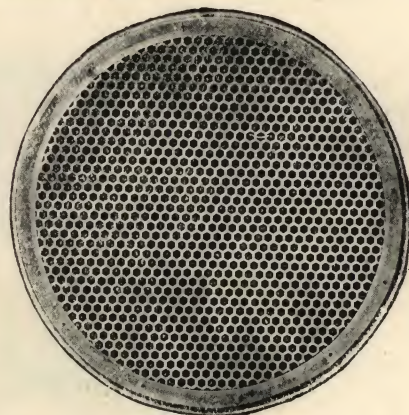
Other sizes in proportion.



## Ewart's "Intake" Ceiling Plate.



No. 1231D.



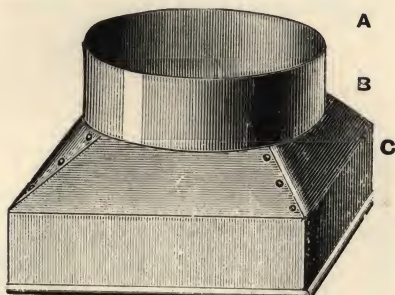
No. 1232D.

Square Pattern, No. 1231 D.		12 in.	16 in.	18 in.	20 in.	24 in.	30 in.	36 in.
Prices in Copper	..	9/-	12/6	15/-	17/9	20/-	22/6	25/6
Prices in Zinc	..	4/-	5/-	6/-	7/-	8/-	10/-	12/-
Circular Pattern, No. 1232 D.								
Prices in Copper	..	13/6	16/-	19/6	24/-	28/6	36/-	45/-
Prices in Zinc	..	5/9	7/-	8/6	10/-	11/6	15/-	20/-

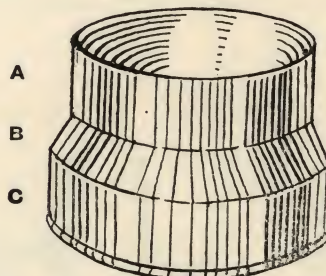


# Ewart's Connecting Pieces and Throttle Valves.

No. 1233 D.



No. 1234 D.



Ewart's Connecting Pieces are found simple and extremely useful, they make an easy and firm connection between any pipe or shaft and the pipe of any outlet Ventilator that may be placed upon it.

The updraught is assisted by making the head of the Ventilator of very much larger diameter than the pipe; and so a Ventilator with a 6 in. pipe may often be wisely placed over a 9 in. or 10 in. square shaft, or at the top of a pipe 9 in. or 10 in. diameter.

The socket **A** fits exactly into the pipe of the Ventilator.

Cone **B** is connected with the curtain **C**, which latter is made to fit over a wooden shaft or metal tube to which it can be attached by nails.

Ventilators of any size may thus be attached to a shaft of any size with little trouble.

## Sizes to fit on SQUARE Shafts.

PRICES. No. 1233 D.		Galvanized Iron.	Copper.
Curtain, 6 in. by 6 in.	Socket 3 in. ...	3/6	5/6
" 8 in. " 8 in.	" 4 in. ...	5/-	9/-
" 10 in. " 10 in.	" 6 in. ...	7 -	15/-
" 12 in. " 12 in.	" 8 in. ...	8/6	19/-
" 14 in. " 14 in.	" 10 in. ...	10/-	21/-
" 18 in. " 18 in.	" 12 in. ...	13/-	27/-
" 20 in. " 20 in.	" 14 in. ...	15/-	30/-

Larger sizes at the rate of 10d. per inch Galvanized Iron, 1/6 per inch Copper, measuring one side of the square base.

## Sizes to fit on ROUND Shafts.

PRICES. No. 1234 D.		Galvanized Iron.	Copper.
To fit over pipe 2½ in.	Socket 3 in. ...	2/6	4/6
" " 4 in.	" 3 in. ...	3/-	5/6
" " 5 in.	" 3 in. ...	4/6	7/-
" " 8 in.	" 6 in. ...	5/-	9/-

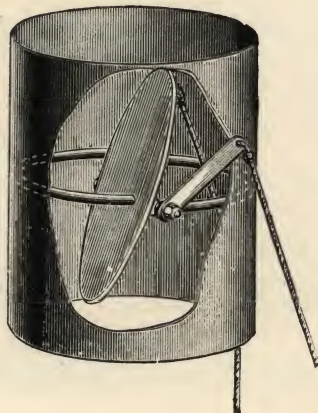
Other sizes 10d. per inch Galvanized Iron, 1/6 per inch Copper, measuring for the largest diameter.

## Ewart's Throttle Valves, No. 1235 D.

For insertion in any Outlet Ventilating Pipe where it is desirable at times to put the pipe out of action.

The Valve is usually worked into the pipe in course of construction, or it may be inserted into Connecting Pieces similar to Nos. 1233 D and 1234 D, but for existing pipes may be ordered of any required diameter, enclosed in short piece of pipe as drawing.

Our illustration shows the two ways of working the cords. Pipe can be put out of action either internally or externally.

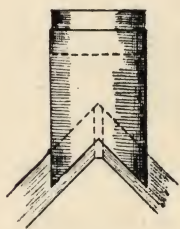


PRICES. No. 1235 D.

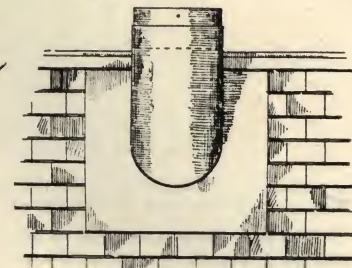
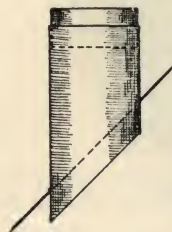
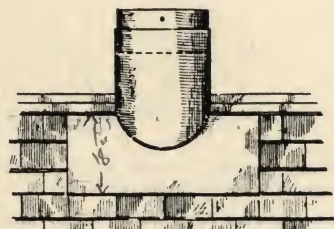
Diameter of Pipe.	Valve only Galv. Iron or Zinc.	Valve and Slip Piece as drawing Galv. Iron or Zinc.	Valve only Copper.	Valve and Slip Piece as drawing Copper.
10 in.	10/-	15/-	16/-	21/-
12 in.	12/-	18/-	19/-	25/-
15 in.	15/-	22/6	24/-	31/6
18 in.	18/-	27/-	28/6	38/-
20 in.	20/-	30/-	31/6	42/-
24 in.	24/-	36/-	38/-	50/6

# Metal Roof Seats and Slating Flanges.

A cheaper way of fixing Ventilators is to dispense with the wood roof seat, and fix the Ventilator with a circular pipe passing through the roof with metal ridge plate or slating flange as sketch.



No. 1236 C.



No. 1237 C.

## Prices and Dimensions.

### No. 1236 C and No. 1237 C.

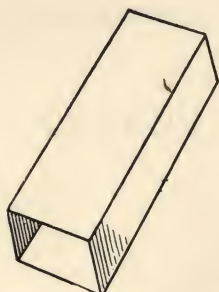
Diam. of Pipe.	Galvanized Iron.			Copper.		
	£	s.	d.	£	s.	d.
6 in.	0	10	0	1	0	0
9 in.	0	13	6	1	11	0
12 in.	0	16	0	2	0	0
14 in.	0	18	0	2	10	0
16 in.	1	10	0	3	10	0
18 in.	1	15	0	5	0	0
20 in.	2	0	0	6	0	0
24 in.	2	10	0	7	0	0

IMPORTANT.—When ordering it is necessary to give exact pitch of roof.

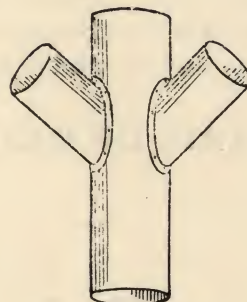


# Ewart's Ventilating Tubes & Accessories

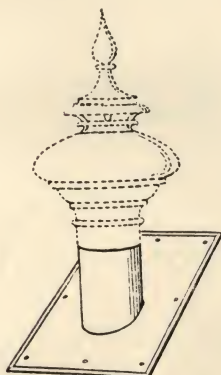
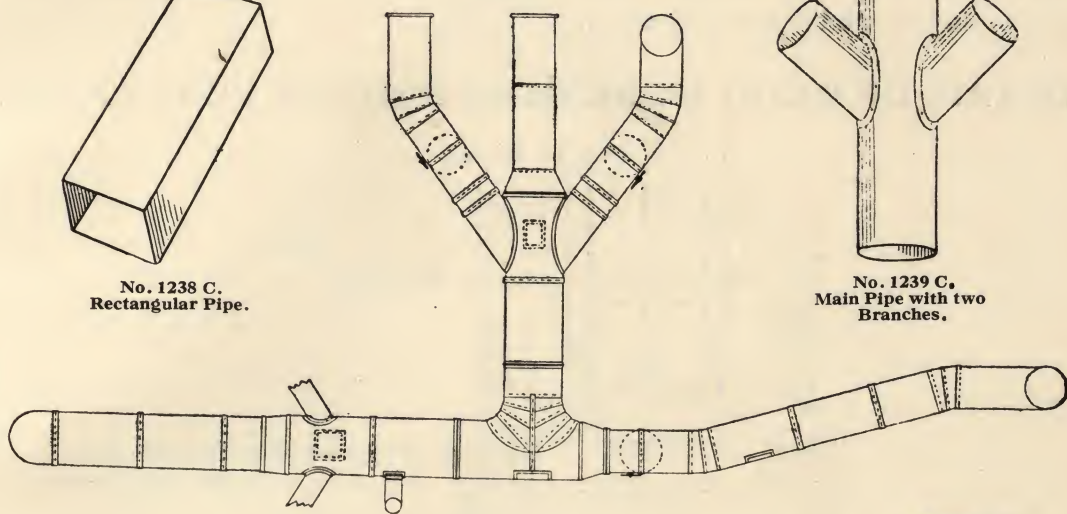
Illustration of Galvanized Iron Air Ducts, etc.



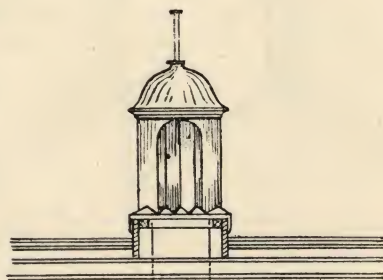
No. 1238 C.  
Rectangular Pipe.



No. 1239 C.  
Main Pipe with two  
Branches.

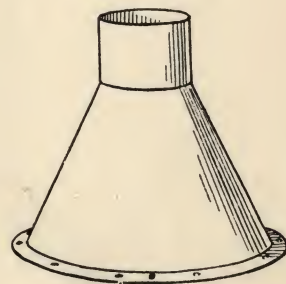


No. 1237 C.  
Roof Plate with suggested  
Ewart's "Pagoda" Ventilator.

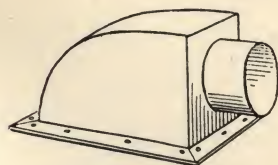


EWART'S COPPER VENTILATOR. No. 1117 C

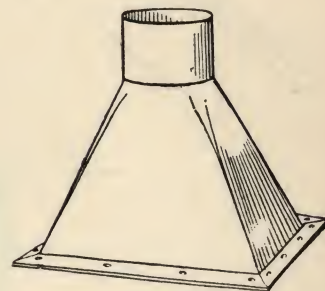
Fixed on Ridge, illustrating method of  
effectually ventilating Church or Hall.



No. 1241 C.  
Bell Mouth Intake.



No. 1240 C.  
Terminal Intake with  
Side Outlet.



No. 1242 C.  
Square Intake.

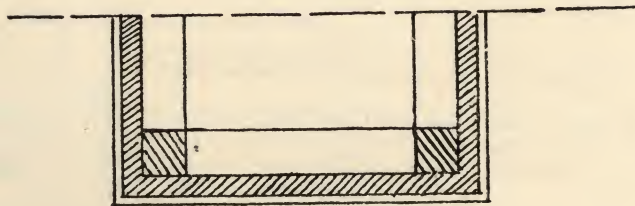
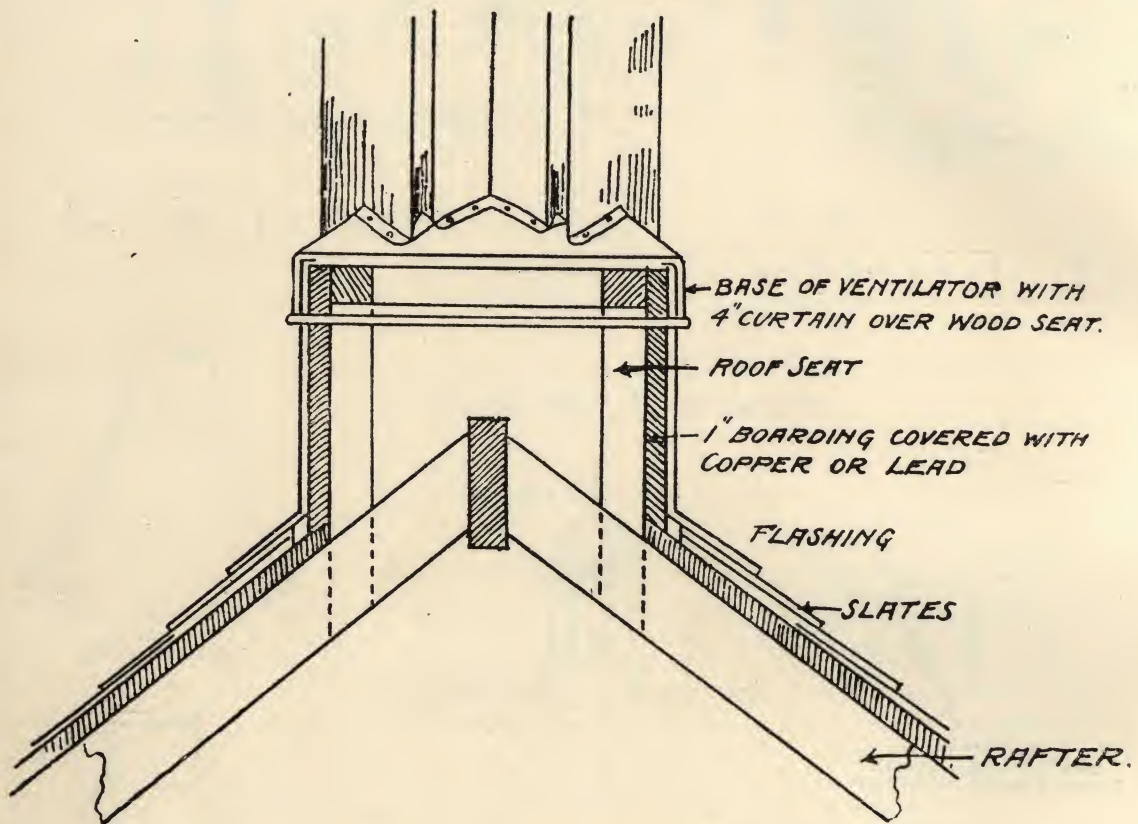
We are always pleased to submit estimates for light and heavy Iron or  
Zinc Ducts, etc.

# Fixing of Ventilators.

The most satisfactory method of fixing a Ridge Ventilator is to construct a wooden roof seat as shown below. This should be covered with Copper for the best work, and we are always pleased to give prices for doing this. The Ventilator can be screwed firmly down to the seat and there is then no danger of displacement. It should be fixed on the highest part of the roof so as to allow the wind to play freely upon it.

## DETAIL OF WOOD WORK REQUIRED FOR VENTILATOR

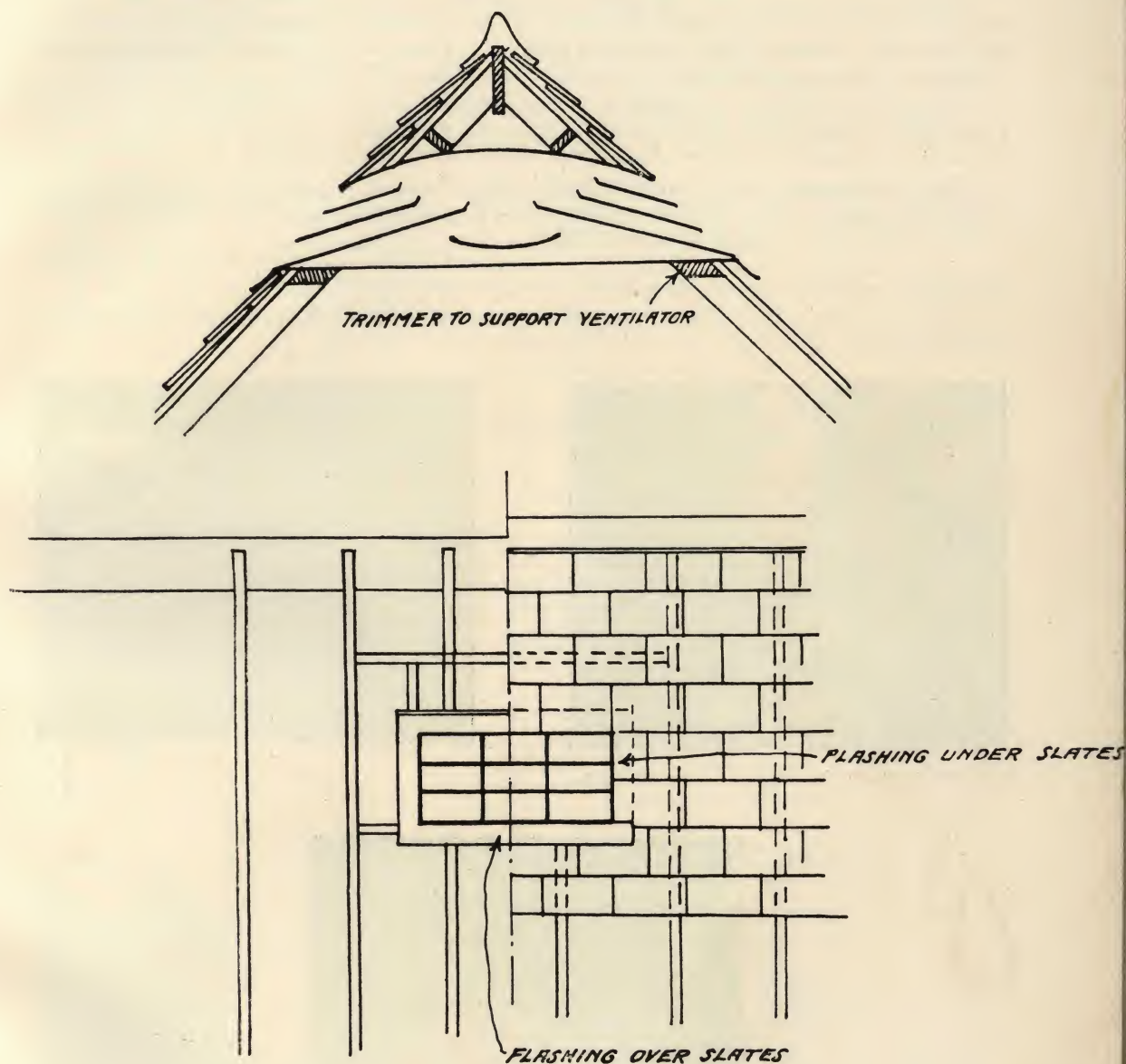
(Not to Scale).



HALF PLAN



# Woodwork Required for Concealed Roof Ventilator.



Concealed Roof Ventilators require a wood trimming as shown, on which the flanges rest. The flanges at side and top are covered with slates or tiles, while the bottom flange goes over the slates or tiles.

# Factory Ventilation.

The Heating, Ventilating and Cleansing of the Workshop and Factory is daily becoming of more importance to the manufacturer desirous of producing the best that can be done from his works.

To the manufacturer, the importance of humidifying, heating or cooling the atmosphere as well as introducing large quantities of fresh air into the factory or workshop is now realized, and to provide efficient ventilation for the operatives, in some trades is now compulsory under the Factory Acts, and insisted upon by all H.M. Inspectors of Factories.

With the introduction of powerful Blowers, induced draught extracting Fans, and other Ventilating and Heating Appliances, not only can the atmospheric conditions of the workshop and factory be greatly improved, but the removal of refuse, wood shavings, etc., accomplished.

In submitting suggestions and plans for this class of work, it is necessary to have particulars in detail and sketch of the workshop or factory, as the method to be adopted varies according to the requirements of the factory in question.

On application we shall be pleased for our representative to attend appointments in London or Country, subject to one day's notice.

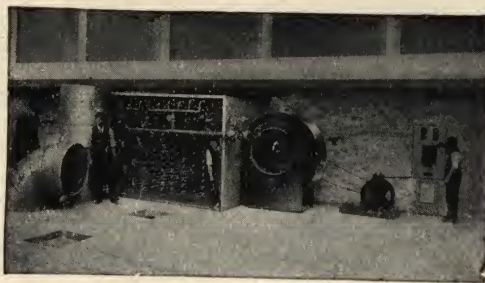
The illustrations show a few examples of the installation of Blowers, heating chambers, metal ducts, etc.



Main Air Ducts for Admission of Warmed Air to Building.



Branch Air Ducts.



Blower and Heating Chamber.  
Capacity, about 30,000 cubic feet of Warmed  
Air per minute.

**The Illustrations show Blower, Heating Chamber and Piping recently erected in a large Factory.**

Dust Collecting Plants, Cold Air and Freezing Installations also carried out.



# Methods of Air Extraction.

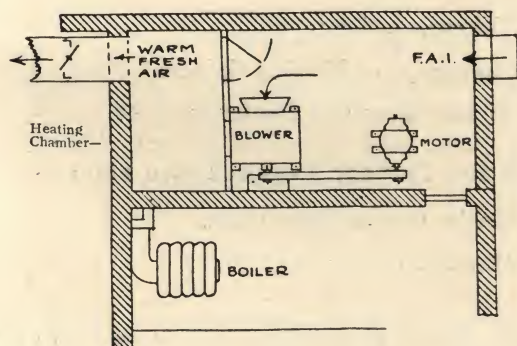
## System "E."

The ideal System of Ventilating and Heating Theatres, Hotels and large Buildings is by an efficient Warm Air System, consisting of an air inlet above the ground level, connected to a heating chamber in the basement, where the incoming air is thoroughly washed and cleaned in passing through a fine gauze screen, continually covered by a spray of water specially produced by "Ewart's ATOMIZER" which, by creating a very fine spray or "Scotch Mist," ensures that the air passing through it is thoroughly cleansed and washed, giving that freshness to the air so pleasantly experienced after a shower of rain.

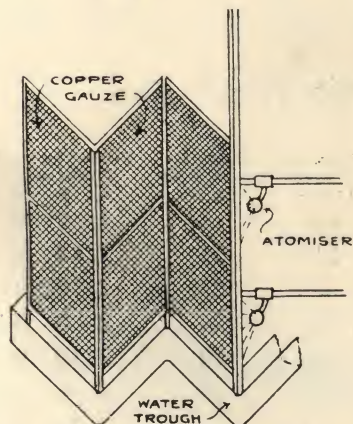
The air is then conducted through a heating chamber and forced by the Blower to various inlet gratings placed in convenient positions in the building, while the foul air escapes through opening in the ceiling connected by ducts to the outside of the building.

In this System all Radiators and other Steam Heating Appliances in the actual auditorium may be dispensed with, and the discomfort of draughts and other inconveniences associated with cold air inlets are done away with. The temperature of the building may be easily regulated and raised to a desired uniform heat or cooled in summer by the water spray.

## Details of System "E."

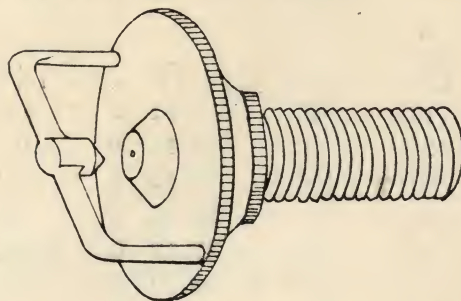


Plan of Heating Chamber, showing F. A. Inlet, Motor, Blower, Boiler, and Heating Chamber.



Sketch of Copper Gauze Screen used to clean and wash air.

## Ewart's "Atomizer."



Detail of Atomizer used to diffuse the water spray.

# Ewart's Fans.

In deciding on the selection of a suitable Fan, great care should be exercised to consider not only the construction and efficiency, but also economical running and absence of noise.

In designing the "VENTUS" Fan, these points have been carefully kept before the Inventors, who have succeeded in introducing a Fan of remarkable efficiency, which will deliver more air than the ordinary type, although running at 25 per cent. lower speed. These qualities, together with the skilful manufacture and the careful selection of material with which the Fans are made, have already obtained for the "VENTUS" Fan a reputation second to none.

The "VENTUS" Fan has recently been installed under the London County Council requirements in the Alhambra, Leicester Square, and patrons visiting this well-known Hall may test for themselves the comfort and efficiency of the System of Ventilation installed therein.



## Particulars required when ordering Fans.

### A Direct Current Fan :—

- (1) Diameter of Fan.
- (2) Voltage.
- (3) Horizontal or Vertical Spindle.
- (4) If Regulator and Starter required.

### If Alternating Current Required also state :—

- (5) Single, two or three phase.
- (6) Periodicity.

The Ewart "VENTUS" Fan is supplied with a totally enclosed Motor to comply with the London County Council requirements.

## Sizes and Prices of the Ewart "VENTUS" Fan.

Diam. of Blade. Inches.	List No.	D.C.			List No.	A.C.			Diam. of Bolt Holes. Inches.	Depth, in- cluding Motor. Inches.	Starters for Direct Current only.		
		£	s.	d.		£	s.	d.			£	s.	d.
18	8C	9	11	0	15A	13	14	0	25	14½	1	0	0
24	9C	13	16	0	16A	18	17	0	34½	21	1	12	6
30	10C	19	14	0	17A	27	14	0	38	23	2	0	0
36	11C	23	18	0	18A	32	13	0	45¾	24	2	5	0
42	12C	27	19	0	19A	37	18	0	51½	29	2	10	0
48	13C	34	7	0	20A	46	11	0	61½	—	3	5	0
60	14C	49	0	0	21A	58	18	0	—	—	4	10	0

If Fan supplied with vertical spindle, 5 per cent. extra on above prices.



Telephone No.:  
North 2570.

Telegrams:  
"GEYSER, LONDON."

THE  
Ventilation and Heating  
OF  
THEATRES  
AND  
PICTURE PALACES.

**EWART & SON Limited**  
**346 348 350 Euston Road LONDON N.W.**

ESTABLISHED 1834.

# FOREWORD.

**T**HE Ventilation and Heating of Theatres and Picture Palaces is of first importance for it is acknowledged that subjection to a vitiated atmosphere causes headache and lassitude, resulting in a lack of interest even in the best performance.

An added danger is the probability that the spread of infectious diseases is often due to the absence of Ventilation in crowded Buildings, which thus gain an unenviable reputation and are shunned by the public.

Many otherwise excellent enterprises have failed by reason of the fact that inadequate provision has been made for the continuous change of air so essential to the health and comfort of the audience.

In the London area, the Licensing Authority (e.g., the London County Council) take precautions to guard against these evils by insisting upon a proper system of Ventilation. It is surely, however, of the utmost importance to all owners of places of amusement to safeguard themselves and their interests by these precautions, which, while not expensive, do so much to provide for the comfort and healthy environment of their patrons.

A scheme of ventilation, to be effective, requires to be very carefully planned. The problems to be overcome are many, as Ventilation which fails to reach all parts of the Building is of little use. A stale atmosphere remains and produces the stuffy and unpleasant odour so noticeable in many Buildings.

One of the difficulties to be contended with is to keep the air in motion and thoroughly circulate it when the Building is closed. This has been successfully solved by the Natural System which is sufficient to ventilate the Building during the greater part of the performance, and to keep the air in circulation during the night, without any cost for running.

A combination of the "Natural" and "Mechanical Systems" is effective and economical, and a very low working cost obtained. It is only necessary to switch on the Fans at intervals when the Hall is crowded or when the wind alone is insufficient to assist the Natural Ventilation.

Control Valves are fitted to the wind driven Ventilators so that they can be cut off when the Electric Fans are running.

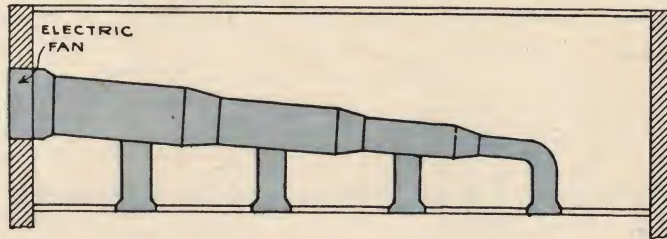
Of all the methods now before the public, we have the utmost confidence in the system recently installed by us at the Alhambra Theatre, Leicester Square. The air is first cleansed and washed, then heated and passed into the Building at positions so arranged that fresh, clean, warm air is poured in without draught and at a uniform temperature. Thus a comfortable heat is given throughout the Building, and the vitiated air is continuously extracted at the roof level, or dome, without discomfort to the audience. No other means of heating are required, such as Radiators or Steam Pipes, which generally heat parts of the Building only, and leave the remainder cold and draughty.



# Methods of Air Extraction.

## System "A."

Several openings are formed in the centre of the ceiling, connected to an extracting trunk of suitable dimensions, terminating in a Hopper fixed over an Electric Fan in the external wall.



This method, is frequently adopted because it may be installed at a somewhat lower price than other and more efficient Systems. It is strongly recommended by some experts on account of its simplicity, and has been largely adopted, but it has some disadvantages.

For instance, if the wind blows directly against the wall in which the Fan is fixed, this will interfere with the extracting power of the fan and prevent the free exit of vitiated air, particularly in windy or boisterous weather.

A further disadvantage may be occasioned by a strong down draught of cold air through the Fan on to the heads of the audience when the Fan is not running. We strongly recommend that Fans should be fitted with a regulating switch to run at a low speed, if required, to prevent this.

### Alternative.

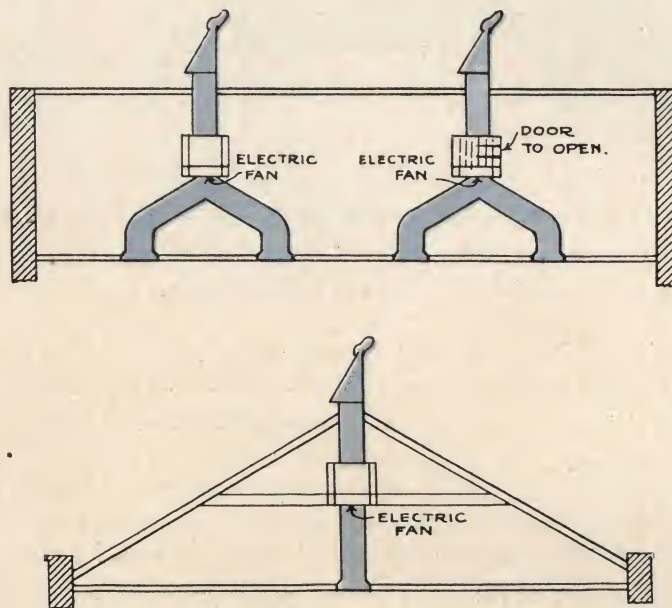
It is often found better to fix two Fans on opposite walls, as when this is done one fan can always do its full work from whatever direction the wind is blowing. Another advantage is that when the auditorium is only partly occupied, one fan will be sufficient to extract the foul air, with a consequent saving in current.

NOTE.—The selection of the Fan is of very great importance, and care should be exercised to see that it is thoroughly well made, quiet in running, and of ample extracting power. The "Ewart Ventus" Fan (see page 8) meets all these requirements, and has advantages (which are protected by Patent and Registration) not contained in any other fan.

# Methods of Air Extraction.

## System "B."

A more efficient method is a series of outlets at the ceiling level, with extracting air trunks connected to "Malthouse" Revolving Cowls fixed on the ridge. In the most convenient part of the trunk, Electric Driven Fans of an improved type are fitted, to extract the vitiated air through the pipes and to discharge it through revolving Cowls in the direction in which the wind is blowing, gaining assistance from the action of the wind on the "Malthouse" Cowls. In this system there can be no wind pressure to prevent the foul air issuing freely from the ducts.



NOTE.—Great care must be taken that the sizes of the various pipes are in proportion to the fan, and not reduced in any part.

This System may be found a little more expensive than System "A," but better results are obtained, and if the Ewart "VENTUS" Fan is used "Natural" Ventilation takes place even when the "VENTUS" Fan is not running. This great advantage is obtained from the peculiar and scientific construction of the Fan Blades, which are "spoon-shaped" instead of the "closed-in" type, and curve upwards to allow the air to freely pass through.

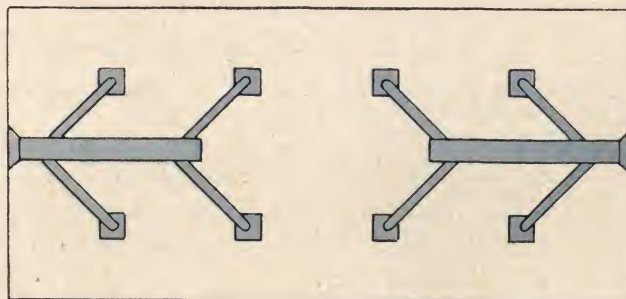
Even when the Hall is closed, a continuous movement of air takes place in the Building, and it does not remain full of foul air and smoke when closed, as is often found to be the case when System "A" has been adopted.



# Methods of Air Extraction.

## System "C."

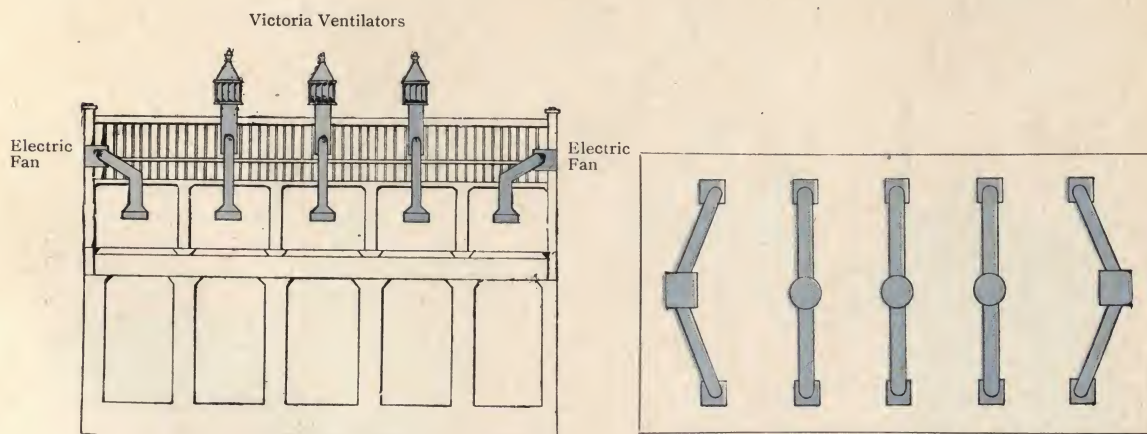
The most efficient practice is to extract the vitiated air and smoke from the sides of the Building instead of the centre of the ceiling. By so doing, the tendency of smoke to collect in the path of light from lantern to screen, and thus cause fog or apparent flickering of the picture, is overcome. This reason alone will commend itself to Cinematograph Operators.



NOTE.—The Electric Fans may either be fixed in the side walls or to discharge through "Malthouse" Cows as System "B."

## System "D."

An effective combination of the "Natural" and "Mechanical" Systems can be obtained by fixing wind-driven revolving Cows on the ridge, aided by Electric Fans at the ends of the wall.



The Electric Fans need only be used when the Hall is crowded and smoky, as the "Victoria" Revolving Ventilators do the work without cost during the greater part of the day. Control Valves are fitted to prevent the Fans drawing air direct from the Ventilators.

# Methods of Air Extraction.

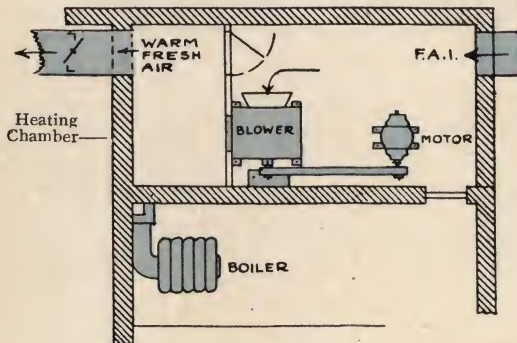
## System "E."

As already mentioned, the ideal System of Heating Theatres and Picture Palaces is by an efficient Warm Air System, consisting of an air inlet above the ground level, connected to a heating chamber in the Basement, where the incoming air is thoroughly washed and cleaned in passing through a fine gauze screen, continually covered by a spray of water specially produced by "Ewart's ATOMIZER" which, by creating a very fine spray or "Scotch Mist," ensures that the air passing through it is thoroughly cleansed and washed, giving that freshness to the air so pleasantly experienced after a shower of rain.

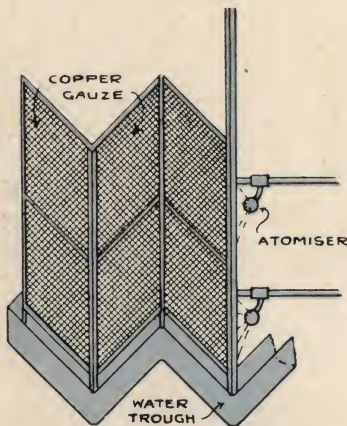
The air is then conducted through a heating chamber and forced by the Blower to various inlet gratings placed in convenient positions in the Building, while the foul air is extracted by the Fans previously described in Systems "A" and "B."

In this System all Radiators and other Steam Heating Appliances in the actual Auditorium may be dispensed with, and the discomfort of draughts and other inconveniences associated with cold air inlets are done away with. The temperature of the building may be easily regulated and raised to a desired uniform heat or cooled in summer by the water spray.

### DETAILS OF SYSTEM "E."

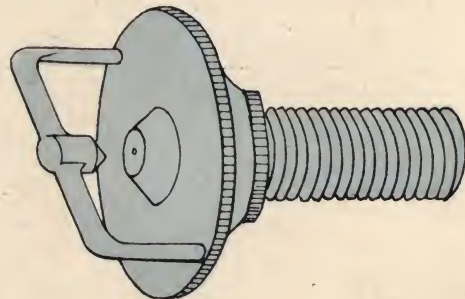


Plan of Heating Chamber, showing F. A. Inlet, Motor, Blower, Boiler, and Heating Chamber.



Sketch of Copper Gauze Screen used to clean and wash air.

### Ewart's "Atomizer."



Detail of Atomizer used to diffuse the water spray.



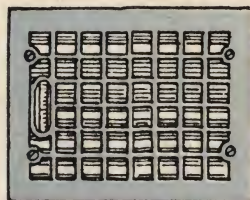
# INLETS.

It is of great importance in deciding on what Inlets are required, that they are suitable to the capacity and position of the Building. In many cases Buildings are surrounded on two or three sides and Inlets of the ordinary type are impossible. When this occurs there are several means of overcoming the difficulty, and we are pleased to submit particulars and schemes on enquiry.

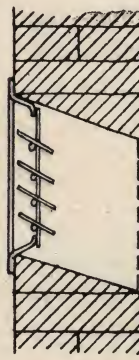
When direct Inlets can be arranged, Ewart's Improved Louvre Inlets are most suitable and can be calculated to admit the correct quantity of fresh air required. In appearance they are superior to the ordinary Inlet Hopper, cost less, and **do not project beyond the face of the wall.** Ewart's Inlets are arranged to fix on the inside of the wall, terminating externally with a grating placed on a lower level to ensure an upward current of fresh cold air.

## Sizes, Area, and Prices of Ewart's Inlets.

Box Size. Inches.		Clear Area. Inches.		Price. Inlet.		Price. Outside Grating.
8 × 6	...	32	...	3/6	...	1/-
10 × 8	...	54	...	4/-	...	1/2
12 × 10	...	80	...	5/-	...	1/10
14 × 10	...	100	...	6/9	..	2/-
14 × 12	...	112	..	9/3	...	2/4
18 × 12	...	144	...	14/6	...	2/8

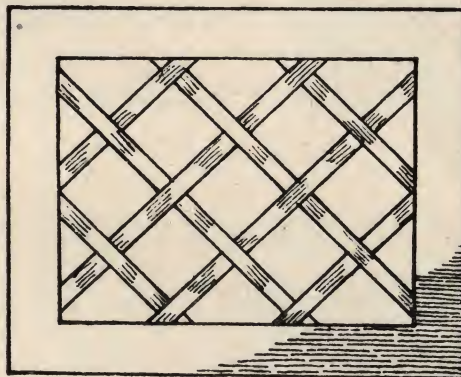


INTERIOR ELEVATION



SECTION  
SHOWING FIXING  
IN BRICK WALL.

It is often desirable to have Gratings over the doors for additional Air-Inlets, and for this purpose we supply the "DIAMOND" Grating in "inter-laced" copper or steel tape.



## Prices of Ewart's "DIAMOND" Ceiling Plates and Gratings.

Inches.						Iron.			Copper.
12 × 12	...	...	...	...	...	4/6	...	...	10/-
18 × 18	...	...	...	...	...	6/6	...	...	16/-
20 × 20	...	...	...	...	...	8/6	...	...	20/-
24 × 24	...	...	...	...	...	11/6	...	...	25/-

This Grating is also used for Ceiling Plates in place of plaster, which obstructs the free extraction of the air.

Other sizes to order in Copper ... about 7/6 per square foot.  
 " " " Steel ... " 3/6 "

# FANS.

In deciding on the selection of a suitable Fan, great care should be exercised to consider not only the construction and efficiency, but also economical running and absence of noise.

In designing the "VENTUS" Fan, these points have been carefully kept before the Inventors, who have succeeded in introducing a Fan of remarkable efficiency, which will deliver more air than the ordinary type, although running at 25 per cent. lower speed. These qualities, together with the skilful manufacture and the careful selection of material with which the Fans are made, have already obtained for the "VENTUS" Fan a reputation second to none.

The "VENTUS" Fan has recently been installed under the London County Council requirements in the Alhambra, Leicester Square, and patrons visiting this well-known Hall may test for themselves the comfort and efficiency of the System of Ventilation installed therein by us.

## Suitable Size of Fans.

It is difficult to give the exact size of Fans required for various Buildings, but they should be large enough to extract about 700 cubic feet of air per hour for each person, and the inlets, if possible, should be about three times the size of the Fans. A Theatre holding 7-800 persons will require about a 42 inch Fan, and 10-1200 about a 48 inch Fan.



### Particulars required when ordering Fans.

#### A Direct Current Fan:—

- (1) Diameter of Fan.
- (2) Voltage.
- (3) Horizontal or Vertical Spindle.
- (4) If Regulator and Starter required.

#### If Alternating Current Required also state:—

- (5) Single, two or three phase.
- (6) Periodicity.

The Ewart "VENTUS" Fan is supplied with a totally enclosed Motor to comply with the London County Council requirements.

### Sizes and Prices of the Ewart "VENTUS" Fan.

Dia. of Blade. Inches.	List No.	£.	s.	d.	List No.	£.	s.	d.	Dia. of Bolt Holes. Inches.	Depth, including Motor. Inches.	Starters for Direct Current only. £ s. d.
18	8C	9	11	0	15A	13	14	0	25	14½	1 0 0
24	9C	13	16	0	16A	18	17	0	34½	21	1 12 6
30	10C	19	14	0	17A	27	14	0	38	23	2 0 0
36	11C	23	18	0	18A	32	13	0	45¾	24	2 5 0
42	12C	27	19	0	19A	37	18	0	51½	29	2 10 0
48	13C	34	7	0	20A	46	11	0	61½	—	3 5 0
60	14C	49	0	0	21A	58	18	0	—	—	4 10 0

If Fan supplied with vertical spindle, 5 per cent. extra on above prices.



# FACTORY VENTILATION.

The Heating, Ventilating, and Cleansing of the Workshop and Factory is daily becoming of more importance to the Manufacturer desirous of producing the best that can be done from his Works.

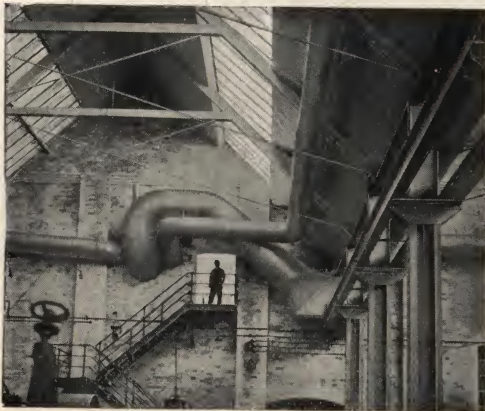
To the Manufacturer, the importance of humidifying, heating or cooling the atmosphere as well as introducing large quantities of fresh air into the Factory or Workshop is now realized, and to provide efficient ventilation for the operatives, in some trades is now compulsory under the Factory Acts, and insisted upon by all H.M. Inspectors of Factories.

With the introduction of powerful Blowers, induced draft extracting Fans, and other Ventilating and Heating Appliances, not only can the atmospheric conditions of the Workshop and Factory be greatly improved, but the removal of refuse, wood shavings, etc., accomplished.

In submitting suggestions and plans for this class of work, it is necessary to have particulars in detail and sketch of the Workshop or Factory, as the method to be adopted varies according to the requirements of the Factory in question.

On application we shall be pleased to send an Enquiry Form of the particulars required, or our representative will attend appointments in London or Country, subject to one day's notice.

The illustrations show a few examples of the installation of Blowers, heating chambers, metal ducts, etc.



Main Air Ducts for Admission of Warmed Air to Building.



Branch Air Ducts.



Blower and Heating Chamber.  
Capacity, about 30,000 cubic feet of Warmed  
Air per minute.

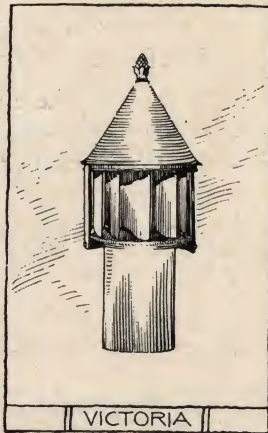
**The Illustrations show Blower, Heating Chamber and Piping recently erected in a large Factory.**

Dust Collecting Plants, Cold Air and Freezing Installations also carried out.



# EXTRACT VENTILATORS.

## FOR NATURAL VENTILATION.



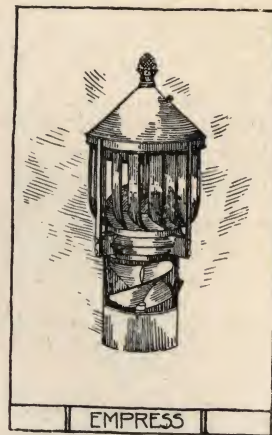
VICTORIA

The "Victoria" is the most powerful natural Extract Ventilator made. It has double the extracting force of the Archimedean and revolves more easily.

### "Victoria."

Diameter of Pipe. Inches.	Made of Hardened Copper.			Fans only of Copper.		
	£	s.	d.	£	s.	d.
4	1	14	6	1	10	0
6	2	7	6	1	18	6
10	4	1	0	3	1	6
12	5	11	0	4	6	0
16	9	9	0	7	0	0
18	11	11	0	8	9	0
20	13	13	0	10	5	0
24	18	18	0	13	6	6

Suitable bases to fit over roof seats can be made for any of the Ventilators in Copper for 1/3 per inch, or in Galvanized Iron for 9d. per inch, measuring one side of the base.

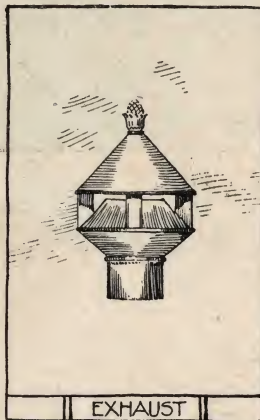


EMPRESS

The "Empress" Ventilator (Archimedean pattern) is a thoroughly reliable Ventilator at a low price.

### "Empress."

Diameter of Pipe. Inches.	Made of Tinned Iron, Japanned.			Made of Hardened Copper.		
	£	s.	d.	£	s.	d.
4	0	14	6	1	1	0
6	0	17	0	1	6	6
10	1	11	6	2	15	0
12	1	18	0	3	12	0
15	2	15	0	5	0	0
18	3	14	0	7	2	0
24	5	10	0	—	—	—
30	7	10	0	—	—	—

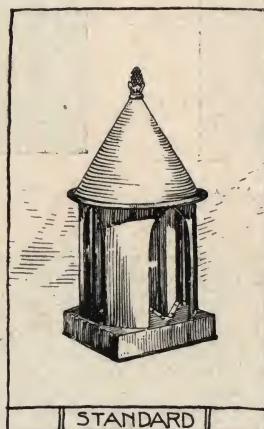


EXHAUST

The "Exhaust" Ventilator offers an easy outlet to foul air, and prevents entrance of rain and wind. Suitable for Operating and Wind-ing Rooms.

### "Exhaust."

Diameter of Pipe. Inches.	Made of Zinc.			Made of Copper.		
	£	s.	d.	£	s.	d.
4	0	5	0	0	14	0
6	0	8	0	1	2	0
10	0	18	6	2	8	0
12	1	6	0	3	16	0
16	2	8	6	7	0	0
18	2	18	6	8	12	0



STANDARD

The "Standard" Ventilator creates a steady up-current of air, and is recommended for positions difficult of access. No oiling required.

### "Standard."

Diameter of Pipe. Inches.	Size of Base. Inches.	Made of Zinc.		
		£	s.	d.
4	6×6	0	10	6
6	10×10	0	14	6
10	20×20	1	18	0
12	22×22	2	6	0
16	26×26	3	14	0
18	32×32	5	0	0



MALTHOUSE

The "Malthouse" Cowl is made for fixing over Electric Fans, so that the foul air is discharged away from the wind.

### "Malthouse."

Diameter of Pipe. Inches.	£		
	£	s.	d.
16	2	2	0
18	2	15	0
24	4	10	0
30	6	0	0
36	7	10	0



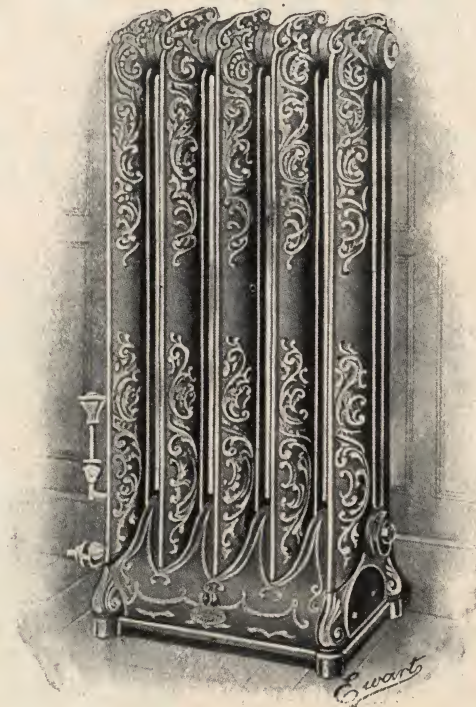
# HEATING.

Where it is found for some reason that the System of Warm Air Heating cannot be adopted, Independent Gas Heated Steam Radiators are used. By the improved form of construction of the Ewart Radiator, the maximum amount of heat is obtained with a minimum consumption of gas, and the heat is radiated evenly and without the troublesome dryness of atmosphere usual with other forms of Gas Heater Radiators.

## “Ewart” Heat Controlling Valve.

A considerable saving in cost is effected by the “EWART” Radiator with Heat Controlling Valve which admits only sufficient gas to the burner to maintain the temperature required.

The “EWART” Radiator is easily fixed, requires only connection to the nearest gas supply and to be filled with water to the depth indicated by the gauge glass. There are no complicated parts to get out of order or to cause over-heating or explosion. It requires no attention beyond the addition of a little water occasionally.



## Prices and Sizes of the “EWART” Radiator.

List No.	No. Sections.	Heating. Cubic Feet, approximately.	Price, £ s. d.	Price, with Heat Valve, £ s. d.
1	5	1,100	2 4 6	2 16 0
2	5	1,730	2 17 6	3 9 0
3	5	2,200	3 3 0	3 14 6
4	8	2,700	4 8 0	5 1 6
5	8	3,450	4 17 6	5 11 0
6	12	4,100	6 6 0	7 2 0
7	12	5,150	6 17 6	7 13 6

# Ewart's "Ever-Ready" Boiler.

Patent. Registered.

## BOILING WATER ALWAYS READY FOR MAKING TEA.

Where tea is supplied to patrons it is very necessary to have an ample supply of boiling water.

Where the water is heated with kettles there is much delay in serving, and the tea is often made with water that has not been raised to boiling point.

The "**Ever-Ready**" is specially designed to produce a continuous smooth stream of water **actually boiling**. The steady flow is such that a small cup may be filled with Boiling Water without risk of scalding or of the contents of the cup being driven out by the boiling stream.

The delivery of water **always actually** at **boiling** point is ensured by the patent arrangement of Gas and Water Fittings.

Ewart's "**Ever-Ready**" Boiler is Self-filling and continuous in action.

The Boiler is complete with polished brass Gas and Water Supply Pipes to connect under counter. There are no unsightly lead pipes or joints visible.

The utmost **economy** is secured by the patent **locking device**, which reduces the Gas to a minimum as soon as the stream of **Boiling Water** is turned off. This Locking Device also saves the continual re-lighting of the Gas.

The inner chambers are all carefully coated with pure tin and the Boiling Water is delivered quite pure and uncontaminated by Gas fumes.



No. 1. Producing about half-a-gallon of **Boiling Water** per minute ... £8 8 0

No. 2. Producing about one gallon of **Boiling Water** per minute ... £12 0 0



20 GOLD MEDALS  
and  
AWARDS.

Telephone Nos.

2570 }  
2571 } North (3 lines).  
2572 }

Telegrams "Geyser, London."

ESTABLISHED 1834.

# EWART'S "EMPEROR" SMOKE CURE.

Chimney Pots  
and Cowls.

**EWART & SON Limited**

**346, 348, 350, Euston Rd., LONDON, N.W.**

# Ewart's "Emperor" Smoke Cure.

Patent 23443/1909. Rgd. No. 549868. Rgd. No. 565265.

For years the "Empress" Smoke Cure has proved the most successful of the many Cows which we have been able to develop during over 70 years of manufacture.

Recently we resolved to test the "Empress" against other manufactures and at the same time to see if any improvement was possible.

We found after months of careful scientific and practical experiments that the "Empress" was more effective than any Cow, either of our own or other manufacture, and this accounted for the increased yearly demand and for the extremely small number of failures.

We then set to work to make improvements, and the result was the construction of a new Cow, which is as far in advance of the "Empress" in efficiency as the "Empress" is in advance of others.

We have named this the "Emperor."

The cost of manufacture is somewhat greater, and, of course, the price a little higher.

We have accepted the responsibility of advising our clients to fix an "Emperor" and to incur the extra outlay when the chimney in question is, on account of situation or other causes, *worse than usual*, as the cost of fixing (often a considerable item) is the same.

From the many appreciations we have received from clients, a few are quoted on page 4.

The "Emperor" Cow stands unrivalled as a cure for preventing down-draught in chimneys, and it is constructed on scientific lines with a rotating head, to which are fitted blades of a special design against which the wind acts to cause very rapid rotation.

The particular construction, which is protected by Patent, and the particular shape of the fans, which is Registered, combine to ensure rapid revolution of the cow even with a slight wind, the effect of which is to cause so strong an up-draught that down-blow is rendered practically impossible.

An entirely new departure has been followed in the manufacture of the blades which are of one piece *without joint of any kind*.

They are produced from the best possible material and carefully coated with pure tin *after manufacture*.

Cheaper forms of cows are usually made from galvanized or tinned iron and easily decay, as the edges and joints where the metal is cut are *unprotected* by the tinned covering.

The blades are curved and fitted exactly to the head of the Cow, and are securely riveted in position.

The spindle on which the head moves is made most carefully from hardened steel working in a steel tube, so constructed that it forms an oil bath for the spindle to turn in, and is kept always thoroughly lubricated.

The framework supporting the revolving head is arranged so that the fans keep clear of soot—the sweep's broom can be pushed up to the framework, but cannot damage the oil cup or working parts.

The material and workmanship throughout the "Emperor" Cow are carefully selected and of the very best.

It is important to remember that cheap cows, which are generally found to be ineffective, cost almost the same to fix on the chimney as the "Emperor." The "Emperor" may cost a little more at first, but it will be found the cheapest in the end, prove of greater durability (owing to the picked material of which it is constructed), and rarely fail to effect an immediate cure.



# Ewart's "Emperor" Smoke Cure.

Patent 23443/1909. Rgd. No. 549868. Rgd. No. 565265.



Pattern A.

**Simple. Scientific. Effective.**  
**Fireproof and Noiseless.**

A Revolving Cowl of improved design, highest efficiency, and reliable construction.

Made of selected material, with solid copper terminal, and enamelled with special preservative enamel.

Devised to cure the most obstinate cases of sluggishness and down-draught.

## Prices.

Diameter of Pipe. in.	Size of Base. in. in.	Height. ft. in.	Pattern A. Straight. £ s. d.
8	14 × 9	6 0	3 10 0
10	14 × 9	6 0	3 13 0
12	14 × 12	6 6	4 5 0

Without Base, 8 in. Head only, 5/- less.

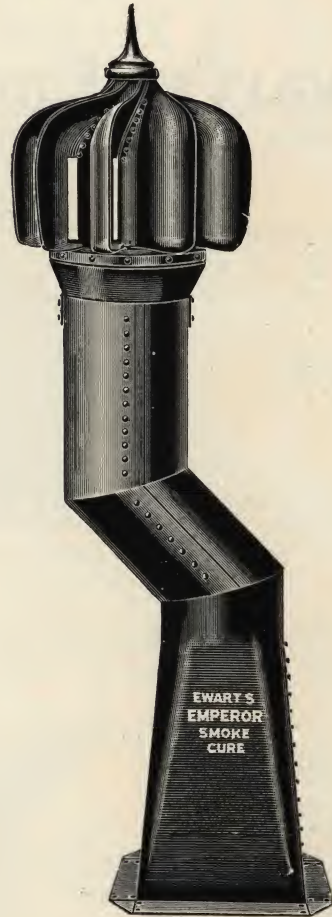
" " 9 or 10 in. " " 8/- "

" " 12 in. " " 10/- "

Any size Head fitted with flange and straps for slipping into Chimney Pots, 5/- extra to price of Head only.

Bases, 9 in. by 9 in., or 12 in. by 9 in., supplied at a few hours' notice without extra charge.

Prices include tin of Special Lubricating Oil with each "Emperor" Smoke Cure.



Pattern B.

**With Cranked Pipe.**

When it is necessary to erect several "Emperor" Cows on a chimney stack close together, it is recommended, that each may get full benefit of the wind, to fit a cranked pipe as illustration. If the "Emperor" is fixed near a high building, the cranked pipe will in most cases help to make it more efficient.

## Prices.

Diameter of Pipe. in.	Size of Base. in. in.	Height. ft. in.	Pattern B. Cranked. £ s. d.
8	14 × 9	6 0	4 0 0
10	14 × 9	6 0	4 10 0
12	14 × 12	6 6	5 5 0

Bases, 9 in. by 9 in., or 12 in. by 9 in., supplied at a few hours' notice without extra charge.

Price includes tin of Special Lubricating Oil supplied with each "Emperor" Smoke Cure.

A FEW APPRECIATIONS FROM CLIENTS

USING

**Ewart's "Emperor" Smoke Cure.**

---

"Working excellently. We tried nearly every cowl on the market, but had no success till we tried the 'Emperor.' We have nearly eight dozen fixed now."

"A perfect cure."

"Very successful—please send another."

"The four 'Emperors' are working as pretty as possible—most satisfactory."

"Send two more 'Emperor' Smoke Cures—the one I fixed is working very nicely."

"Giving every satisfaction."

"The two 'Emperors' are working very satisfactorily. We will recommend them."

"Absolutely successful. Cured where all other cowls had failed. Am recommending the 'Emperor' to everyone I know with a smoky chimney. Shall always use the 'Emperor' in future."

"There—you have the secret of our Smoke Cure. A perfect success! My builder tried every cowl he knew of, but nothing cured till he fixed Ewart's 'Emperor' Smoke Cure."

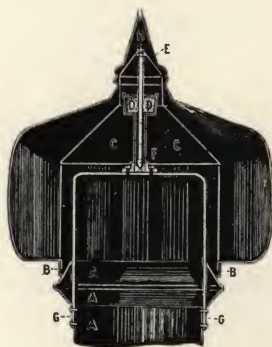
"The 'Emperor' Cowl you fixed six months ago has effected a perfect cure. Please fix another on the kitchen chimney."



# DETAILS OF CONSTRUCTION OF THE "Emperor" Cowl.

Patent 23443,1909. Rgd. No. 549868. Rgd. No. 565265.

## A Sectional Elevation of the "Emperor" Cowl.



Sectional Elevation.

Fig. 1.

A.—The stationary portion of the cowl.

B.—Wrought iron welded ring securely holding the blades together.

C.—Cone holding the blades at the upper end.

D.—Copper oil cup.

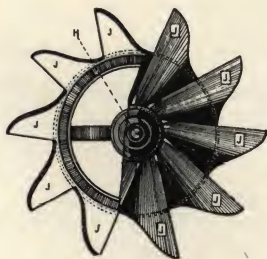
E.—Steel spindle, carefully turned with tempered point and gun metal bearers.

F.—Specially made steel centre piece placed at base of oil vessel, in which point of spindle revolves, always lubricated.

G.—Strong iron framework supporting the centre, and placed close enough to the revolving fans to clear soot by the revolution.

Under the centre at F a strong wrought iron plate is firmly fixed to the supporting frame to prevent the sweep's broom from damaging the spindle or oil vessel, or knocking off the revolving head.

## A Sectional Plan of the "Emperor" Cowl.



Sectional Plan.

Fig 2.

"Emperor" Cowl to remain in motion longer than any other form of cowl.

## External View of the specially formed Blades of the "Emperor" Cowl.



Rgd. No. 549868.

Fig. 3.

The external "O Gee" shape of the fans bent so as to offer little, if any, resistance to rotation.

It is designed to deflect any wind striking the blade into the adjacent blade, and so assist revolution.

There are no flat edges to the blades, common to all other revolving cowls as now made.

## The Inside View of the Blade of the "Emperor" Cowl.



Rgd. No. 549868.

Fig. 4.

Illustrates the inside view of the blade, and the concavities designed to catch the wind for the purpose of rotating the cowl.

Only through the special design of this blade has it been found possible to obtain such a large increase in "sail power," while at the same time lessening resistance to revolution.

## Under View of Blade.



Rgd. No. 549868.

Fig. 5.

Illustrates the very large holding or "sail power" of the blade, and the special feature of the air pocket which forces the cowl to revolve, even in the lightest breezes.

# Ewart's "Empress" Smoke Cure.

**Effective.**

**Fireproof.**

**Noiseless.**

Where it is necessary to fix a chimney pot it is worth while to fix a good one—a cheap pot usually costs as much to fix as a good one—and much time and money is often wasted by experimenting with cheap cowls of inferior design. While undoubtedly a smoke cure with revolving head is the most effective, it is necessary that the cowl should revolve freely without friction, absolutely without noise, be fireproof, durable, and have such arrangements for containing oil that re-oiling will only be necessary after many years' use.

These requirements necessitate efficient design, excellence of material and first-rate workmanship. We claim that these will be found in our "Empress" Smoke Cure.

This extraordinary success is due to two causes.

1. The Method: viz., that of a movable head which revolves noiselessly in any wind, and thus maintains a constant motion of air in the chimney and steadies the current by gathering up and gradually distributing the force of sudden gusts of wind instead of allowing them to act directly upon the draught.

2. The Material and Workmanship. By the use of a carefully turned hardened steel spindle which revolves on a steel centre of the same temper, always lubricated, it has been found possible to obtain very rapid revolution without noise, and with the least possible friction. The constant lubrication is effected by placing the steel centre at the bottom of a long tube which is kept full of oil, being supplied from a large Copper reservoir at the top of tube. The revolving fans are made of special steel, thickly coated with pure tin and carefully enamelled, as a double protection against the weather, the other parts are made of strong galvanized iron, also enamelled black. The parts are riveted together and the whole is fire-proof.

The revolving head is strongly made and will resist the force of a hurricane, in fact the violence of a storm increasing the speed of revolution increases the efficiency of the "Empress" Cowl.

The framework which supports the fans is so arranged that the fans clean themselves of soot as they revolve. There is no obstruction to the sweep's broom, which can be pushed up to the top of the Cowl but cannot damage the oil-cup or spindle, nor strike the revolving parts, all of which are protected by the heavy framework.

The oil-cup with large Copper reservoir is sealed inside the revolving head from contact with the soot, and also protected from the heat. The Cowl when once oiled will work for many years without attention.

In case of a chimney taking fire, the "Empress" Cowl being fire-proof throughout, remains uninjured.



# Ewart's "Empress" Smoke Cure.

**Effective.**

**Fireproof.**

**Noiseless.**

## SECTION.

**A**—Large Copper Oil Reservoir, communicating with strong wrought-iron Cylinder in which Spindle works, and which is thus always kept full of oil.

**B**—Steel Spindle carefully turned, with Tempered Point and Brass Bearings.

**C**—Specially made Steel Centre-piece, placed at base of Oil Vessel, on which point of Spindle turns: always lubricated.

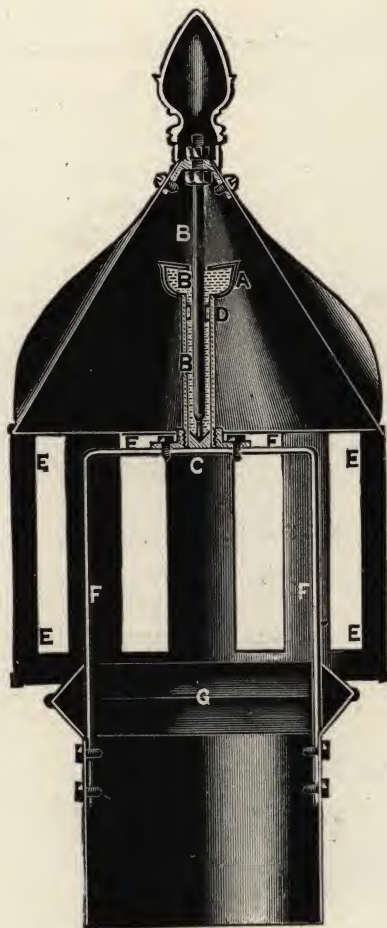
**D**—Brass Bearing, supporting Spindle in position: always lubricated.

**EE**—Perpendicular Fans placed at sufficient distance to prevent soot from adhering, and giving free exit to smoke.

**F**—Strong Iron Framework supporting the centre, placed close enough to the Revolving Fans to clear soot by the revolution. This framework protects the working parts from damage by the sweep's broom.

Under the centre "**C**" a thick wrought-iron plate is firmly fixed to the Supporting Frame. This plate prevents soot from penetrating into the head containing Copper Oil Reservoir and also prevents the heat rising from the chimney evaporating the lubricating oil.

**G**—Double Cone placed at such an angle with the flat top plate as to prevent entry into the chimney of sudden gusts of wind, and effectively keeps out driving rain or snow.



# Ewart's "Empress" Smoke Cure.

**Effective.**

**Fireproof.**

**Noiseless.**

## Sizes and Prices.

Made of stout galvanized iron, enamelled and stoved black as a double protection against the weather, complete with Copper Oil Box.

### No. 1.—For Ordinary Chimneys.

	£	s.	d.
The Tube, 10 in. diameter. The Base with flange for brickwork 14 in. by 9 in. (or 9 in. by 9 in.) Revolving Head, 16 in. diameter outside Fans. Total height, 6 ft. 6 in. ... ..	2	13	0
No. 1 "Empress" Smoke Cure, head only, without base ... ..	2	5	0
No. 1 "Empress" Smoke Cure, head only, without base, fitted with flange and straps for fitting to Chimney Pot ... ..	2	10	0

### No. 2.—For Kitchen Chimneys.

The Tube, 12 in. diameter. The Base, 14 in. by 12 in. Revolving Head, 21 in. diameter outside Fans. Total height, 7 ft. ... ..	3	5	0
No. 2 "Empress" Smoke Cure, head only, without base ... ..	2	15	0
No. 2 "Empress" Smoke Cure, head only, without base, fitted with flange and straps for fitting to Chimney Pot ... ..	3	0	0

### No. 3.—For Small Chimneys.

The Tube, 8 in. diameter. Base, 14 in. by 9 in. Diameter of Revolving Head, 13 in. outside Fans. Total height, 6 ft. ... ..	2	5	0
No. 3 "Empress" Smoke Cure, head only, without base ... ..	1	17	0
No. 3 "Empress" Smoke Cure, head only, without base, fitted with flange and straps for fitting to Chimney Pot ... ..	2	2	0

### No. 4.—For Gas Fires.

The Tube, 6 in. diameter. Base, 9 in. by 9 in. Diameter of Revolving Head, 12 in. outside Fans. Total height, 5 ft. ... ..	1	17	6
No. 4 "Empress" Smoke Cure, head only, without base ... ..	1	10	0
No. 4 "Empress" Smoke Cure, head only, without base, fitted with flange and straps for fitting to Chimney Pot ... ..	1	15	0

### No. 5.—For Small Gas Stoves.

Revolving head only, with 4 in. diameter tube, total height, 3 ft. ...	1	5	0
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Bases of different sizes, 9 in. by 9 in. or 9 in. by 12 in. supplied to order at a few hours' notice without extra charge.

The prices include a can of special lubricating oil, which is sent free with each "Empress" Chimney Pot.



# Ewart's "Empress" Smoke Cure.

**Fireproof.**

**Noiseless.**



In nineteen cases out of twenty the "Empress" Chimney Pot cures the chimney without alteration. In case of failure or only partial success it is sometimes necessary to increase the height, or, perhaps, to introduce an elbow piece (see page 10). To provide for this the head is made to remove from the base to which it is secured by screw bolts.

The base remains fixed in the brickwork, and a length of straight pipe, or an elbow piece, is added.

NOTE.—Since the same expense must be incurred for fixing the commonest and least useful Chimney Pot as for the best, it is evidently true economy to fix one that is thoroughly well-made and of a pattern most likely to be effective, even though the first cost is a little heavier. The "Empress" Smoke Cure is made with great care, and the large number in use, to the full satisfaction of the purchasers, is the best evidence of its effectiveness.

# Ewart's "Empress" Smoke Cure with Cranked Pipe.

**Effective.**

**Fireproof.**

**Noiseless.**

It is sometimes found necessary to erect several "Empress" Chimney Pots upon one stack, side by side. In this case it is convenient to have the revolving heads mounted upon cranked pipes, so that the alternate heads are on different sides of the stack and each obtains the full force of the wind.

The cranked pipe is also found convenient where the chimney is overshadowed by a higher building in close proximity.

## PRICES.

	£	s.	d.
No. 11. For Ordinary Chimneys, the Tube 10 in. diameter	3	10	0
No. 12. For Kitchen Chimneys, the Tube 12 in. diameter	4	5	0
No. 13. For Small Chimneys, the Tube 8 in. diameter ...	2	15	0
No. 14. For Gas Fires, the Tube 6 in. diameter ... ..	2	5	0

Bases of different sizes, 9 in. by 9 in. or 9 in. by 12 in., to order at a few hours' notice without extra charge.

The prices include a can of special lubricating oil, which is sent free with each "Empress" Chimney Pot.



# Ewart's "Empress" Smoke Cure with Cranked Pipe.

Effective.

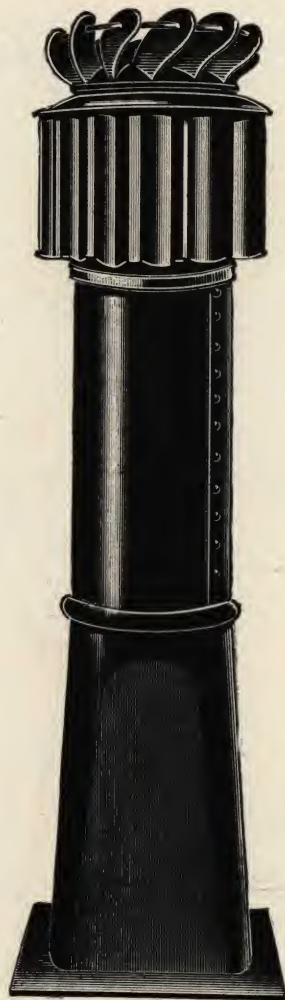
Fireproof.

Noiseless.



NOTE.—Since the same expense must be incurred for fixing the commonest and least useful Chimney Pot as for the best, it is evidently true economy to fix one that is thoroughly well-made and of a pattern most likely to be effective, even though the first cost is a little heavier. The "Empress" Smoke Cure is made with great care, and the large number in use, to the full satisfaction of the purchasers, is the best evidence of its effectiveness.

# **"Excelsior" Smoke Cure.**



**F 68**

No. F68. Complete with 14 in.  $\times$  9 in. base for brickwork as shown.

**Price £3 7 6**

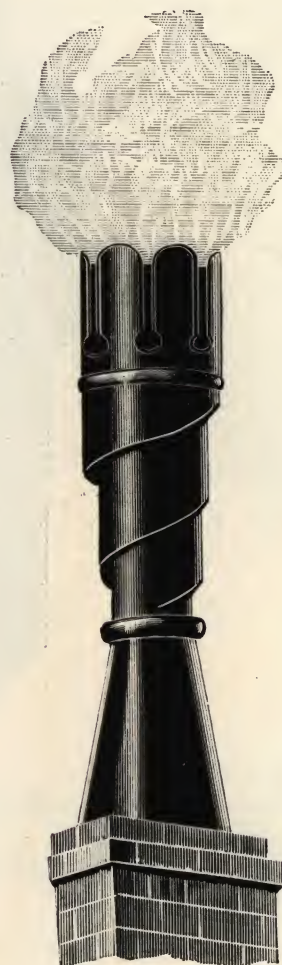
No. F69. Made with slip, flange and straps for fixing into chimney pot.

**Price £2 18 0**

**Fireproof. Effective.**

Enamelled and stoved with special weather-resisting enamel brick red colour.

# **"Climax" Chimney Pot.**



**F 55**

No. F55. Complete with 14 in.  $\times$  9 in. base for building on to flue.

**Price £1 8 6**

No. F56. Made with slip, flange and straps for fixing into pot.

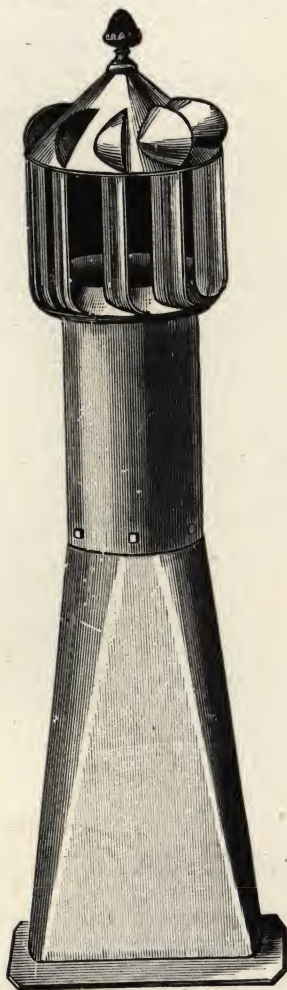
**Price £1 0 0**

Made of stout Steel plate and galvanized after manufacture.



# “King” Smoke Cure.

Designed to quicken and  
regulate up-draught.



**F 54**

No. F54. Complete with 14 in.  $\times$  9 in.  
base for building on to chimney.

**Price £1 15 0**

May be fitted with slip for fixing into  
pot at same price. The “King” is con-  
structed upon the same principle as the  
“Empress” (pages 6—11), but made of  
lighter material, it is less costly to manu-  
facture. It revolves without *noise* on a  
steel centre in oil. Made of tinned Steel  
and stout Galvanized Iron enamelled black  
and stoved.

# “Prince” Chimney Pot.

For preventing down-blow.



**Fire-  
proof.**

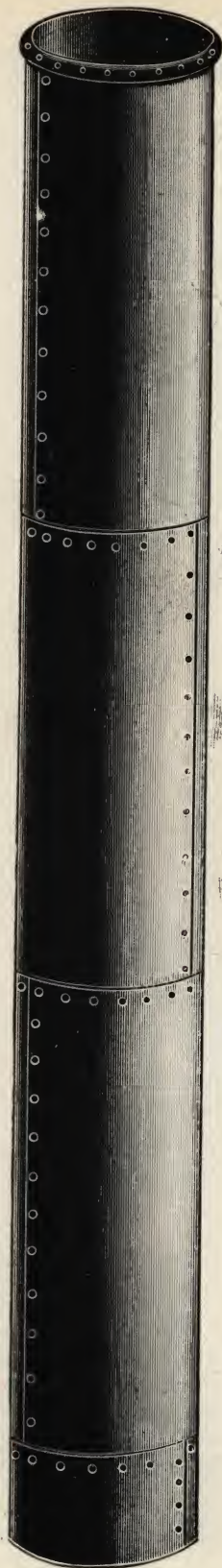
**Riveted  
together.**

**F 53**

No. F53. Complete with 14 in.  $\times$  9 in.  
base for building on.

**Price £1 14 0**

May be fitted with slip for fixing into pot  
at same price. The cones are arranged in  
such a way that it is impossible to blow  
down the tube from the outside. There  
is no obstruction whatever to prevent the  
sweep's broom cleaning the whole way  
through. All parts are riveted together  
and the pot is galvanized after manufacture.



# Chimney Shafts.

## Chimney Shafts

of strong and heavy Iron, riveted or seamed together, in black, or galvanized after manufacture.

## Wrought Iron Pipe

made in any diameter and to any length required, with slip joints, soot doors, bends, etc., to requirements.

## Pipes of all kinds, Smoke and Ventilating Shafts,

made to instructions, drawings, or specifications.

## Flues and Cowl

of special design made of Iron galvanized and strong Zinc at short notice.

## Stove Pipes and Elbows

in light or strong black or galvanized Iron.

## Copper, Iron, and Zinc Hoods

for gas stoves made to order.

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Estimates submitted for Sheet Metal work of all descriptions.



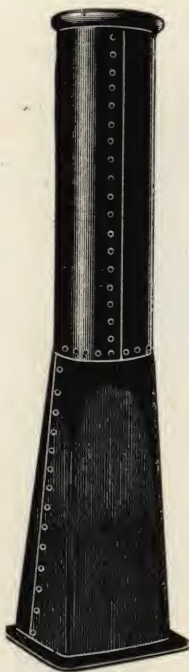
## Strong Tall-boy Flue.



**F 60**

Height. Feet.	...	Iron Galvanized.
4	...	11/-
5	...	12/6
6	...	14/-
7	...	16/-
8	...	19/-

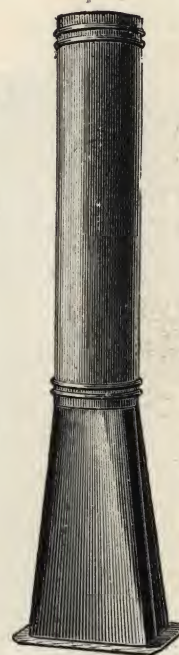
## Extra Strong Riveted Flue.



**F 61**

Height. Feet.	...	Iron Galvanized.
4	...	16/6
5	...	19/-
6	...	21/-
7	...	24/-
8	...	28/-

## "Universal" Tall-boy Flue.



**F 62**

Height. Feet.	...	Iron Galvanized.
4	...	8/6
5	...	10/6
6	...	12/6
7	...	15/6
8	...	18/-

The Flues are made with bases 14 in. × 9 in. for brickwork.

The No. F62 and F67 Flues are finished at the top so that the "Universal" Cowls (see page 25), which are fitted with special lugs or fasteners, may be easily fixed to them.

As it is not always possible to tell beforehand what particular cowl will best suit a chimney, it is found very convenient to be able to change the cowl without removing flue or brickwork.

The "Universal" Flues and Cowls possess these important advantages.

The Tall-boys are made of black Iron and Galvanized after making, greatly adding to their durability.

# Zinc Tall-boy Flue.

# Zinc "Elbow" Tall-boy Flue.



F 63



F 64

Height. Feet.	Gauge. 10	Gauge. 12	Gauge. 14	Gauge. 16
4	7/6	9/-	10/8	14/-
5	8/6	11/-	14/-	17/-
6	10/-	13/-	17/-	21/-
7	12/-	15/-	19/-	22/6
8	13/6	17/-	21/-	25/-

Height. Feet.	Gauge. 12	Gauge. 14	Gauge. 16
5	15/-	18/-	22/-
6	17/-	20/6	25/-
7	19/-	23/6	27/6
8	21/-	25/-	30/-

Flues are made with bases 14 in. x 9 in. for building on to chimney stack.

Smoke Shafts to order to any height, size or description. Quick delivery can always be given for Flues and Cowls not kept in stock.



**Strong  
Elbow  
Flue.**

**Extra Strong  
Elbow  
Flue.**

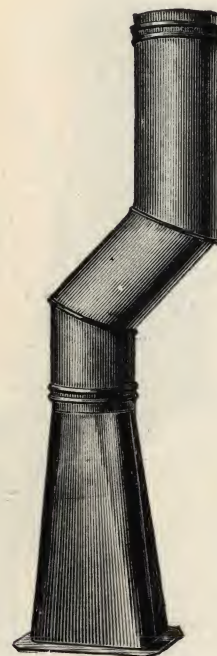
**"Universal"  
Elbow  
Flue.**



**F 65**



**F 66**



**F 67**

Height. Feet.		Iron. Galvanized.
5	...	16/-
6	...	17/6
7	...	21/-
8	...	25/6

Height. Feet.		Iron. Galvanized.
5	...	22/-
6	...	26/6
7	...	29/-
8	...	33/9

Height. Feet.		Iron. Galvanized.
5	...	15/-
6	...	17/-
7	...	19/6
8	...	24/-

These Flues are made with bases, 14 in. × 9 in., for building on to chimney.

No. F67 is made to take any of the "Universal" Cowls (see page 25).

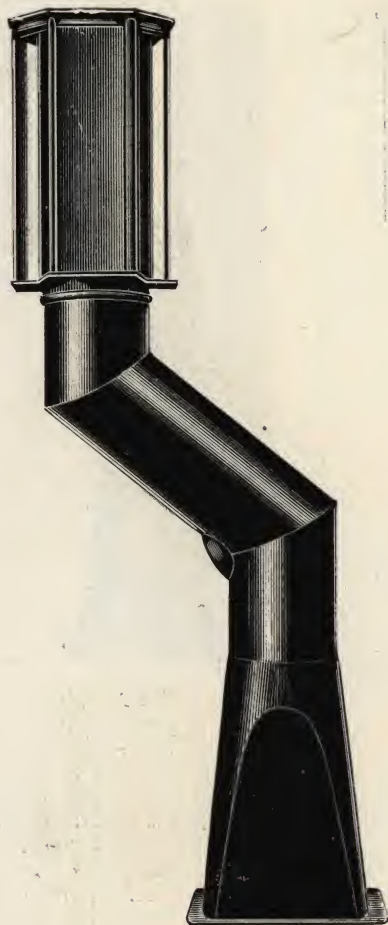
All our Flues and Tall-boys are made out of Steel Plates and Galvanized after manufacture.

Smoke Shafts of every description and strength made to order.

Special Bases, Stays, and Tie Rods of all kinds supplied to order.

# Day's Wind-Guard

Mounted on Elbow  
for preventing down-blow.



**F 75**

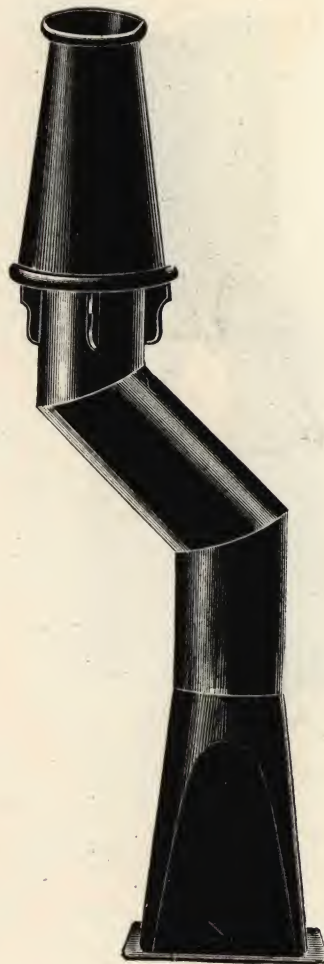
Iron Galvanized	...	...	£1 8 6
Strong Zinc	...	...	1 8 6

6ft. high with 14in. × 9in. base for building on chimney.

Our Iron Flues are made of Steel Plate and Galvanized after manufacture.

# Sugar Loaf

Mounted on Elbow  
for quickening up-draught.



**F 116**

Iron Galvanized	...	...	£1 5 0
Strong Zinc	...	...	1 5 0

6ft. high with 14in. × 9in. base for building on chimney, of Steel Plate and Galvanized after manufacture.

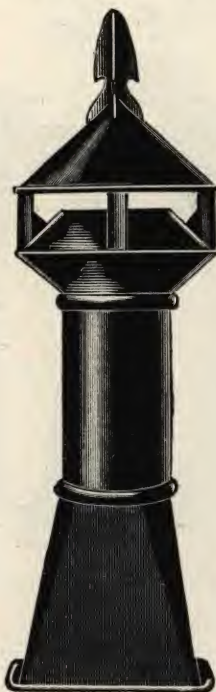


**"Vacuum"  
Chimney Pot.**



**F 70**  
Iron Galvanized ... **35/-**  
Strong Zinc ... **32/-**

**"Exhaust"  
Chimney Pot.**



**F 71**  
Iron Galvanized ... **24/-**  
Strong Zinc ... **22/-**

**"Double Cone"  
Exhaust Pot.**



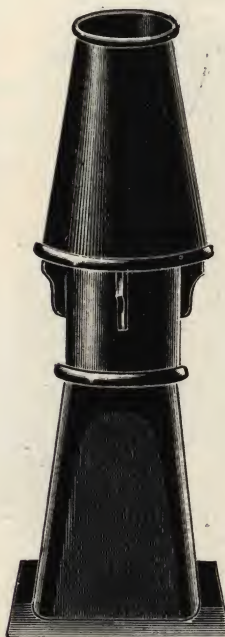
**F 134**  
Iron Galvanized ... **26/-**  
Strong Zinc ... **23/-**

**"Double Cone"  
Flue.**



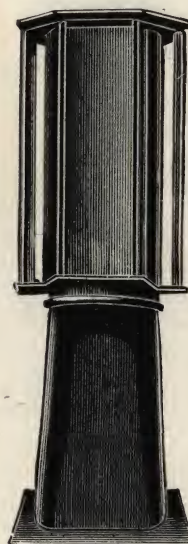
**F 135**  
Iron Galvanized ... **17/6**  
Strong Zinc ... **17/-**

**"Sugar Loaf"  
Flue.**



**F 114**  
Iron Galvanized ... **18/-**  
Strong Zinc ... **17/-**

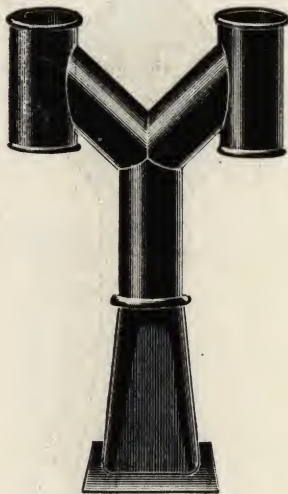
**"Day's Wind-Guard"  
Flue.**



**F 73**  
Iron Galvanized ... **20/6**  
Strong Zinc ... **19/6**

These Pots are made 6ft. high overall with bases 14 in. x 9 in. for building on.  
Iron Flues are made of Steel Plate and Galvanized after manufacture.

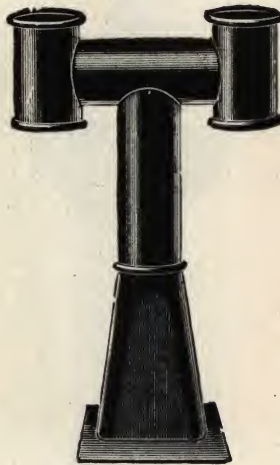
## "Y" Pattern Flue.



F 105

Iron Galvanized	...	34/-
Strong Zinc	...	31/-

## "T" Pattern Flue.



F 106

Iron Galvanized	...	30/-
Strong Zinc	...	26/6

## "Arm" Flue.



F 107

Iron Galvanized	...	20/-
Strong Zinc	...	20/-

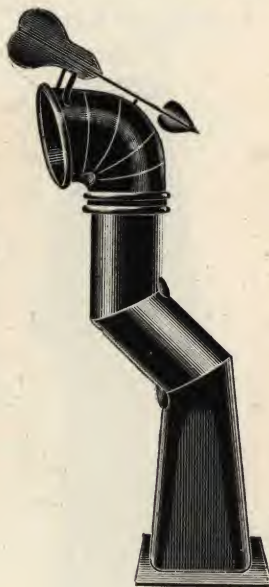
## Short "T" Flue.



F 110

Iron Galvanized	...	17/-
Strong Zinc	...	16/-

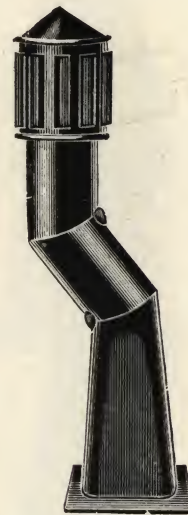
## Elbow Lobster Flue.



F 117

Iron Galvanized	...	25/-
Strong Zinc	...	25/-

## Elbow Grinder Flue.



F 119

Iron Galvanized	...	24/6
Strong Zinc	...	24/6

These Flues are made 6 ft. high with bases 14 in. × 9 in. for building on.  
 Iron Flues and Cowls are made of Steel Plate and Galvanized after manufacture.  
 Any pattern Flue or Cowl made to order.



**"Grinder"**  
Cowl.



**F 77**

\*Iron Galvanized **19/6**  
Strong Zinc **18/-**

**"Malthouse"**  
Cowl.



**F 78**

\*Iron Galvanized **19/6**  
Strong Zinc **18/-**

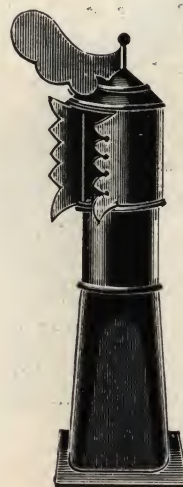
**"Lobster"**  
Cowl.



**F 79**

\*Iron Galvanized **20/-**  
Strong Zinc **18/6**

**"Brighton"**  
Cowl.



**F 80**

\*Iron Galvanized **22/6**  
Strong Zinc **20/-**

**"Arnott's"**  
Head Cowl.



**F 93**

\*Iron Galvanized **23/-**  
Strong Zinc **21/-**

**"Louvre"**  
Cowl  
with Cap.



**F 95**

\*Iron Galvanized **22/6**  
Strong Zinc **20/6**

Four  
**"Louvre"**  
Cowl.



**F 96**

\*Iron Galvanized **21/-**  
Strong Zinc **20/-**

**"Louvre"**  
Cowl.



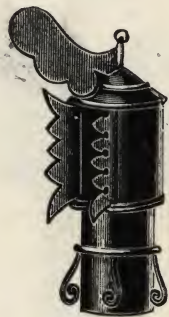
**F 97**

\*Iron Galvanized **20/-**  
Strong Zinc **19/-**

These Cows are made 6 ft. high overall with bases 14 in. x 9 in. for building on.

\*Iron Flues are made of Steel Plate and Galvanized after manufacture, and will last twice as long as Cows costing a little less but made of Galvanized Sheet Iron.

**"Brighton"  
Cowl.**



**F 88**

\*Iron Galvanized **10/6**  
Strong Zinc ... **8/6**

**"Lobster"  
Cowl.**



**F 89**

\*Iron Galvanized **10/6**  
Strong Zinc ... **8/6**

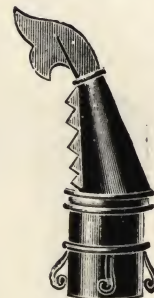
**"Grinder"  
Cowl.**



**F 90**

\*Iron Galvanized **10/6**  
Strong Zinc ... **8/6**

**"Malthouse"  
Cowl.**



**F 91**

\*Iron Galvanized **10/-**  
Strong Zinc ... **7/6**

**"Louvre"  
Cowl.**



**F 92**

\*Iron Galvanized **8/6**  
Strong Zinc ... **8/-**

**"Arnott's"  
Head.**



**F 94**

\*Iron Galvanized **10/-**  
Strong Zinc ... **8/6**

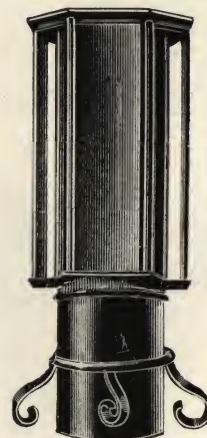
**"Acme"  
Cowl.**



**F 58**

\*Iron Galvanized **12/6**  
—

**"Day's  
Wind-Guard"**



**F 74**

\*Iron Galvanized **14/6**  
Strong Zinc ... **12/6**

Cowls are made to fit inside 8 in., 9 in. and 10 in. Chimney Pots.

Zinc Cowls are made with astragal and three straps.

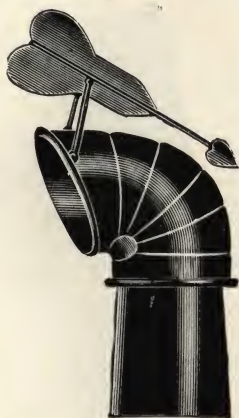
Galvanized Iron Cowls are fitted with three straps only.

\*Iron Flues are made of Steel Plate and Galvanized after manufacture.

Any size or pattern Cowl can be made to instructions and quick delivery given.



## "Lobster" Cowl.



**F 100**

Diam. Base. Ins.	Iron Galvanized.	Zinc.
3 ...	6/-	6/-
4 ...	7/-	6/-
6 ...	8/-	7/-
8 ...	9/-	7/-
10 ...	10/-	7/-
11 ...	11/-	8/6
12 ...	12/-	9/6

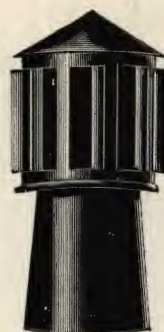
## "Day's Wind-Guard"



**F 101**

Diam. Base. Ins.	Iron Galvanized.	Zinc.
10 ...	13/-	9/-
11 ...	15/-	10/-
12 ...	17/-	12/-

## "Grinder" Cowl.



**F 102**

Diam. Base. Ins.	Iron Galvanized.	Zinc.
3 ...	6/-	6/-
4 ...	7/6	6/-
6 ...	8/-	7/-
10 ...	9/6	7/-
11 ...	11/-	8/6
12 ...	12/-	9/6

## "Malthouse" Cowl.



**F 103**

Diam. Base. Ins.	Iron Galvanized.	Zinc.
6 ...	8/6	7/-
10 ...	10/-	7/-
11 ...	11/-	8/6
12 ...	12/-	9/6

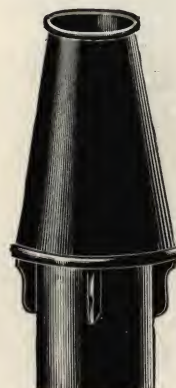
## "Brighton" Cowl.



**F 104**

Diam. Base. Ins.	Iron Galvanized.	Zinc.
6 ...	10/-	8/-
10 ...	12/-	10/-
11 ...	15/-	12/-
12 ...	18/-	14/6

## "Sugar Loaf" Cowl.



**F 111**

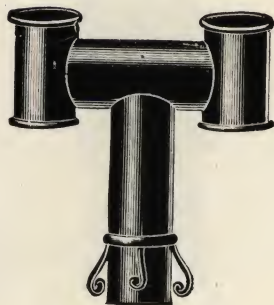
Diam. Base. Ins.	Iron Galvanized.	Zinc.
10 ...	9/-	8/6
11 ...	10/6	9/6
12 ...	12/6	11/6

These Cowls are fitted with round bases to fit over the outside of chimney pot.

For Cowls to fit inside chimney pot, see pages 22 and 24.

For Self-cleansing Spindles add one-third extra to list price. Any size or pattern Cowl made to instructions and quick delivery given. All Iron Cowls are Galvanized after making.

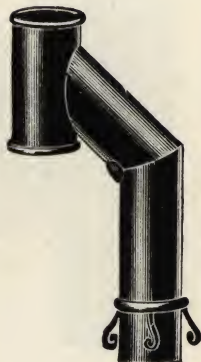
## "T" Pattern Slip.



F 108

Iron Galvanized ... 19/6  
Strong Zinc ... 18/6

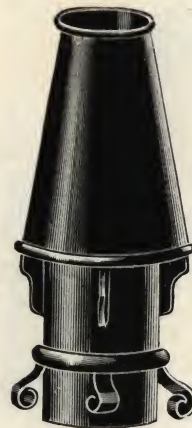
## "Arm" Slip.



F 109

Iron Galvanized ... 17/-  
Strong Zinc ... 16/6

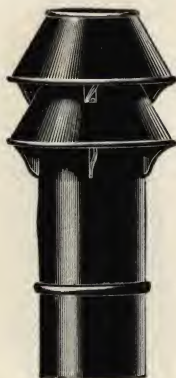
## "Sugar-Loaf" Slip.



F 112

Iron Galvanized ... 10/6  
Strong Zinc ... 9/6

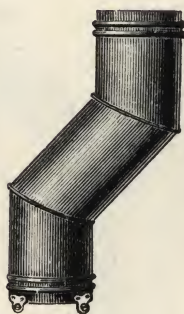
## "Double Cone" Slip.



F 136

Iron Galvanized ... 11/6  
Strong Zinc ... 10/6

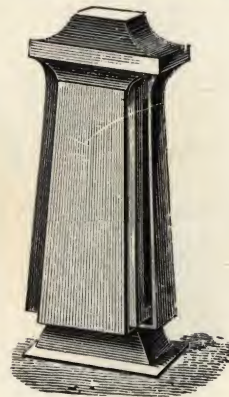
## "Universal" Elbow Piece



F 131

Iron Galvanized ... 9/-

## "Albert" Wind Guard



F 76

Iron Galvanized ... 19/6  
Strong Zinc ... 18/6

Made with base for building on flue.

These Cowls are made to fit inside Chimney Pots.

Zinc Cowls are fitted with astragal and straps.

Galvanized Iron Cowls are fitted with straps only.

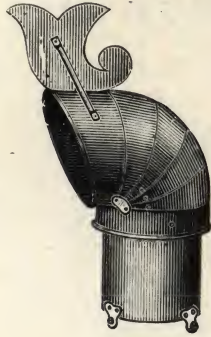
Iron Flues are made of Steel Plate and Galvanized after manufacture.

Any size or pattern Cowl made to instructions and quick delivery given.



# "Universal" Cows.

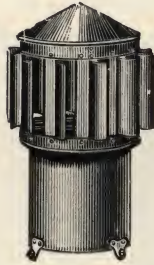
"Lobster"  
Cowl.



F 122

11/-

"Grinder"  
Cowl.



F 123

11/-

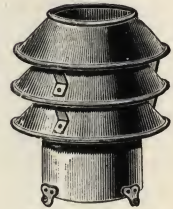
"Octagon"  
Wind-Guard.



F 124

12/-

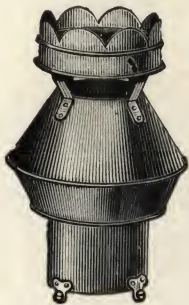
"Louvre"  
Terminal.



F 125

8/6

"Arnott's"  
Head.



F 126

10/6

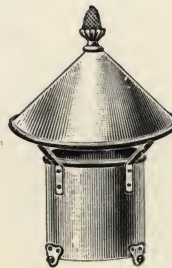
"King"  
Cowl.



F 127

30/-

"Conical"  
Cap.



F 128

6/-

"Sugar-Loaf"  
Terminal.



F 129

8/6

The "Universal" Cows are fitted with lugs, by means of which they may be fixed firmly on the top of "Universal" Flues, F 62 and F 67. See pages 15 and 17.

As it is not always possible to tell beforehand what particular Cowl will best suit a chimney it is found very convenient to be able to change the Cowl without removing the base.

The "King" Cowl is made to revolve in oil, without noise. See page 13 for full description.

These Cows are made of Steel Plate and Galvanized after manufacture, and will last twice as long as Cows costing a little less but made of Galvanized Sheet Iron.

# Second Quality Chimney Cowls.

**"Acme"  
Cowl.**



**F 140**  
To slip into 9in. Pot.  
97/- per dozen.

**"Lobster"  
Cowl.**



**F 141**  
97/- per dozen.

**"Grinder"  
Cowl.**



**F 142**  
92/- per dozen.

**"Day's  
Wind-Guard"**



**F 144**  
131/- per dozen.

**"Malthouse"  
Cowl.**



**F 145**  
92/- per dozen.

**"Louvre"  
Cowl.**



**F 146**  
126/- per dozen.

Made of light Sheet Iron and Galvanized after manufacture, in one size only,  $7\frac{1}{2}$  in. diameter bottom, 9 in. diameter head, to slip into Pots.



# Ewart's "Empress" Ventilator.

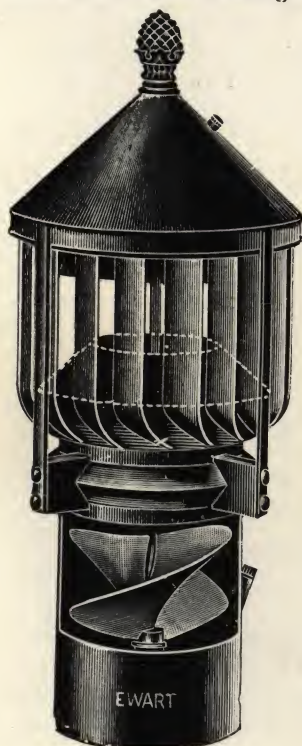
## "Archimedian" Pattern.

This Ventilator differs from the ordinary so-called "Archimedian" Ventilator in some important points. In the ordinary "Archimedian" Ventilator the whole of the top revolves, in the Ewart "Empress" the cap is stationary and only the fans and screw revolve, thus throwing less weight upon the central point, thereby reducing the friction.

Again, the ordinary "Archimedian" Ventilator is open to the base of the fans, rendering easy ingress to gusts of wind or driving rain to the discomfort of those within the building. To obviate this serious defect the "Empress" is constructed with an interior cone placed at such an angle, with a flat top plate, so that the wind striking the cone is deflected and escapes at the other side of the fans instead of blowing down the tube.

Although Ewart's "Empress" Ventilator contains these improvements, the prices compare favourably. A comparison of the prices given in the accompanying table with those of the ordinary "Archimedian" pattern shows that when made in a similar material, namely, tinned iron japanned, the "Empress" works out as cheaply, but we strongly advise that Ventilators should be specified to be constructed throughout of hardened Copper, as although the price is considerably higher the increase in cost is very slight in the proportion to the great increase in durability. A Ventilator in Copper will last as long as the Building, whilst Iron may perish in a few years.

In the accompanying table the prices are also quoted for the "Empress" Ventilator made of Stout Zinc, which although inferior to Copper, is more durable than Iron.



No. 402.

### PRICES.

Diameter of Pipe.	Outside Diameter.	Prices, made of Stout Zinc.			Prices, made of Tinned Iron not Japanned.			Prices, made of Tinned Iron, Japanned.			Prices, made of Hardened Copper.		
Inches.	Inches.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
2	4	0	8	6	0	9	6	0	10	6	0	16	0
2½	5½	0	9	6	0	10	6	0	12	0	0	18	0
3	5½	0	9	6	0	10	6	0	12	0	0	18	0
4	6	0	11	0	0	12	0	0	14	6	1	1	0
5	7½	0	12	0	0	13	6	0	15	6	1	4	0
6	9	0	13	6	0	15	0	0	17	0	1	6	6
8	11	1	1	0	1	2	6	1	7	6	2	4	0
10	14	1	4	6	1	5	6	1	11	6	2	15	0
12	17	1	10	0	1	11	0	1	18	0	3	12	0
15	20	2	5	0	2	8	0	2	15	0	5	0	0
18	23	3	0	0	3	2	0	3	14	0	7	2	0

Prices for larger sizes submitted on application.  
Square or round Bases to any design fitted to the above Ventilators

# Ewart's "Victoria" Ventilator.

**NOISELESS.**

**PATENT.**

Ewart's Patent "Victoria" Ventilator is unquestionably the most perfect outlet Ventilator yet constructed. The result of many experiments show that under equal conditions and with equal diameter of pipes, Ewart's "Victoria" Ventilator extracts a larger volume of air than any other pattern, whether of the fixed or revolving type, and that at all times, under any condition of wind pressure, there is less down blow. Experiments made by applied force show that the "Victoria" exerts double the extraction force of the "Archimedian" (sustaining a piece of silk in a glass pipe twice as long), and also that the revolution of the blades continues (after the silk has fallen) about two-thirds longer.

The "Victoria" is made in three qualities, either throughout of hardened Copper, which is recommended for elevated positions where fixing is costly; or with the fans only of Copper, the cap and tube of Iron japanned; or of tinned Iron japanned, the interior frame only of Copper and Brass.

## DETAILS AND PRICES.

	Outside Diameter.	Diameter of Pipe.	Prices, made of Hardened Copper throughout.			Prices, Fans only of Hardened Copper.			Prices of Tinned Iron Japanned.		
	Inches.	Inches.	£	s.	d.	£	s.	d.	£	s.	d.
Soil Pipes ... ..	6	3	1	12	6	1	4	6	0	19	0
Soil Pipes, closets, or small bath rooms ...	8	4	1	14	6	1	10	0	1	3	6
Small dwelling rooms up to 200 square feet area	12	6	2	7	6	1	18	6	1	10	0
Shops or rooms up to 500 square feet area ...	14	8	3	8	6	2	7	0	2	0	0
Schools for 50 children, or Churches for 70 persons	17	10	4	1	0	3	1	6	2	8	0
Churches or Halls accommodating 120 persons	22	12	5	11	0	4	6	0	3	0	0
Churches or Halls accommodating 200 persons	25	14	7	7	0	5	12	0	4	4	0
Churches or Halls accommodating 250 persons	28	16	9	9	0	7	0	0	5	7	0
Theatres or Halls designed for 300 persons ...	30	18	11	11	0	8	9	0	6	10	0
Theatres or Halls designed for 400 persons ...	33	20	13	13	0	10	5	0	8	0	0
Theatres or Halls designed for 600 persons ...	40	24	18	18	0	13	6	6	10	10	0

Square or round Bases to any design fitted to the above Ventilators.

It will be noticed that a higher capacity is named for the different sizes of the "Victoria" than for other Ventilators. The revolving fans in this pattern give a greater extractive force, and, wherever it is possible, to pour in a supply of oil once in every two or three years, this Ventilator will be found the most economical and effective. For larger buildings it is advised that two or more ventilators should be used.



19 GOLD MEDALS  
and  
AWARDS.

ESTABLISHED 1834.

Telephone Nos.  
2570 }  
2571 } North (3 lines).  
2572 }  
Telegrams: "Geyser, London,"

# **EWART'S**

# **COPPER**

## **Cylinders**

## **Boilers and**

## **Calorifiers.**

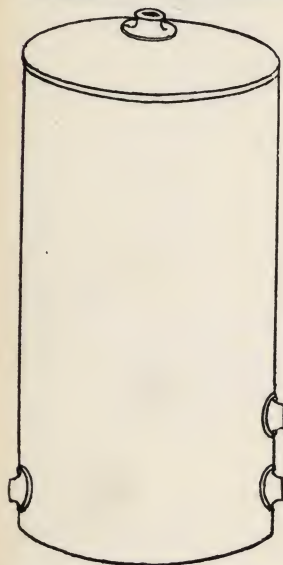
### **NOTE.**

Owing to fluctuations in the price of Copper, all prices are subject to alteration without notice.

**EWART & SON Limited**  
**346, 348, 350, Euston Rd., LONDON, N.W.**

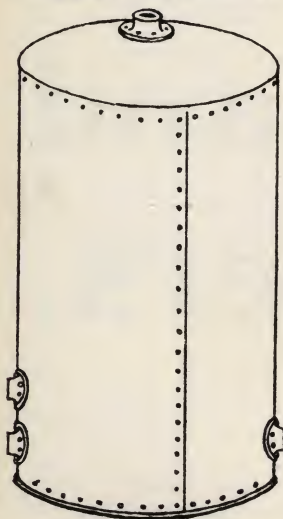
# Ewart's Copper Cylinders.

## Ewart's Copper Cylinder.



Pattern No. 1.  
Brazed and Planished.

## Ewart's Copper Cylinder.



Pattern No. 2.  
Riveted and Planished.

Flanges can be fitted in any position, but always sent as illustrated, unless otherwise ordered.

## For Hot Water.

## Brazed and Riveted.

Ewart's Copper Cylinders are made throughout of best quality Copper Sheets, carefully selected.

Only first-class workmanship is employed in their manufacture, and their suitability for the highest class work can be confidently recommended.

We cannot too strongly impress upon our clients (in their own best interests) the mistake of using so-called cheap copper cylinders, made of light, unsuitable material, often loaded with lead, which in many cases give way with the mere weight of water before any pressure is recorded.

Ewart's Copper Cylinders are tested before despatch from works, and are guaranteed to stand pressures specified.

Stock Sizes and approximate capacities			Prices. No. 1 Pattern. Brazed and Planished						Prices. No. 2 Pattern. Riveted.					
Diam. inches	Height inches	Capacity Gallons	A Quality.			B Quality.			C Quality.			A Quality.		
			£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
13	30	14	3	1	0	2	12	6	2	3	9	3	8	9
13	36	17	3	8	6	3	0	0	2	10	6	3	18	0
15	30	19	3	10	0	3	1	3	2	12	3	3	18	0
15	33	22	3	11	6	3	2	6	2	14	0	3	19	3
15	36	24	3	16	0	3	8	6	2	18	6	4	5	9
15	39	26	4	0	6	3	13	0	3	4	3	4	11	0
15	42	28	4	11	9	4	5	0	3	16	6	5	7	3
15	45	30	4	16	0	4	9	3	4	1	6	5	11	6
16	42	32	5	0	9	4	11	9	4	3	3	5	17	6
16	45	34	5	11	6	5	1	3	4	11	9	6	10	6
16	48	36	6	3	6	5	11	6	4	19	6	7	3	6
17	45	38	6	6	6	5	15	0	5	3	6	7	6	0
17	48	41	6	11	3	6	0	3	5	9	0	7	9	3
18	42	40	6	8	9	5	14	0	4	19	6	7	9	3
18	45	49	6	17	6	6	9	6	5	9	0	7	18	9
19	48	51	7	14	6	6	16	6	6	8	6	9	0	3
20	48	55	8	0	6	7	3	6	6	8	9	9	8	9
												8	10	0
												7	12	9

**Extra** for Cylinders Tinned inside: add 5%.

Tested to the following pressures: No. 1, Quality A, 30 lbs.; B, 20 lbs.; C, 15 lbs.  
No. 2, Quality A, 40 lbs.; B, 25 lbs.; C, 18 lbs.

Prices include four strong gun-metal flanges, screwed for  $\frac{3}{4}$  or 1 in. W.I. pipe.

Extra flanges,  $\frac{3}{4}$  in., 1/6; 1 in., 2/-;  $1\frac{1}{4}$  in., 3/4;  $1\frac{1}{2}$  in., 4/-

**Extra** for specially made strong brass unions for connection to lead:

Straight:  $\frac{3}{4}$  in., 2/-; 1 in., 2/9;  $1\frac{1}{4}$  in., 4/8;  $1\frac{1}{2}$  in., 7/6

Bent:  $\frac{3}{4}$  in., 2/6; 1 in., 3/6;  $1\frac{1}{4}$  in., 6/6;  $1\frac{1}{2}$  in., 9/-

**Extra** for hand-hole with brass cover and rubber ring:

5 x  $3\frac{1}{2}$  in., 12/-; 7 x  $4\frac{1}{2}$  in., 21/-

Patent Safety Valves may prevent serious explosion. Their adoption is strongly recommended. Prices on application.

Specially constructed Cylinders of large capacity or for very high pressures can be supplied at short notice.

Competitive quotations forwarded on receipt of specification.

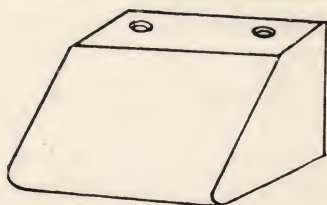


# Ewart's Brazed Copper Boilers.

Rapid Heating.

Great Durability.

## Plain Bath Boiler.

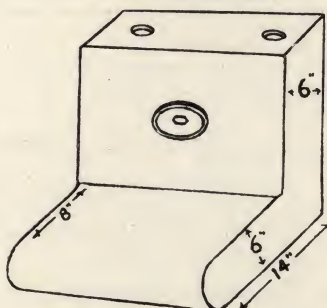


### Sizes and Prices.

Height, 10 in. Bottom, 10 in. Top, 7 in.

	10in. wide.	12in. wide.	14in. wide.	16in. wide.	18in. wide.	20in. wide.
Height, 10 in.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
3 in. Plate.	3 2 0	3 5 0	4 0 0	4 15 0	5 13 0	6 13 0
1/2 in. Plate.	3 15 0	4 0 0	4 18 0	5 15 0	6 17 6	7 19 6

## Boot Boiler.



### Sizes and Prices.

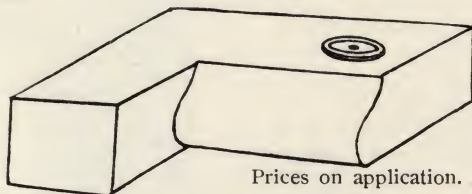
5/16 in. Plate.

Height.	10 in. wide.	12 in. wide.	14 in. wide.	16 in. wide.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
18 in.	7 16 0	8 16 6	9 17 0	10 18 0
21 "	9 5 6	10 9 6	11 13 0	12 17 6
24 "	10 14 6	12 2 0	13 9 6	14 17 0

3/8 in. Plate.

Height.	10 in. wide.	12 in. wide.	14 in. wide.	16 in. wide.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
18 in.	9 5 0	10 13 0	12 2 0	13 0 0
21 "	10 18 0	12 9 0	14 0 0	15 10 6
24 "	12 10 6	14 5 0	15 17 6	18 0 0

## Ell Boiler.

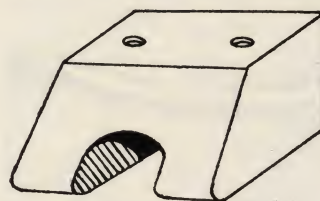


Prices on application.

With or without intersecting flues.

Can be made to any dimensions, in usual weights, for deep or shallow fires. Right or left handed.

## Arched Bath Boiler.



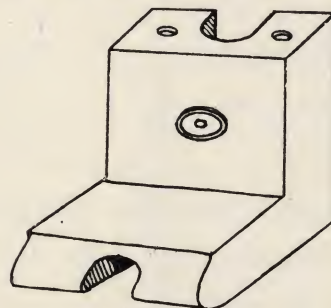
### Sizes and Prices.

Height, 11 in. Bottom, 10 in. Top, 7 in.

	10in. wide.	12in. wide.	14in. wide.	16in. wide.	18in. wide.
Height, 11 in.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
3 in. Plate.	3 12 0	3 19 0	4 10 0	4 17 0	5 13 0
1/2 in. Plate.	4 5 0	4 17 6	5 10 0	6 0 0	6 18 0

Larger or special sizes supplied.  
Prices on application.

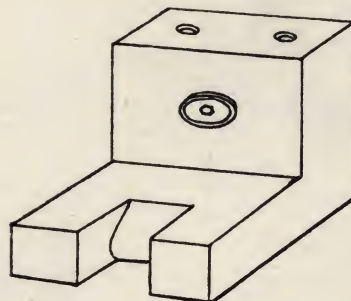
## Intersected Boot Boiler.



Usual sizes promptly supplied. 3/16 in., 1/4 in., 5/16 in., or 3/8 in. Plate.

Prices on application.

## Double Toe Boot Boiler.



With or without intersecting flues. Round or square toes. Usual sizes and weights.

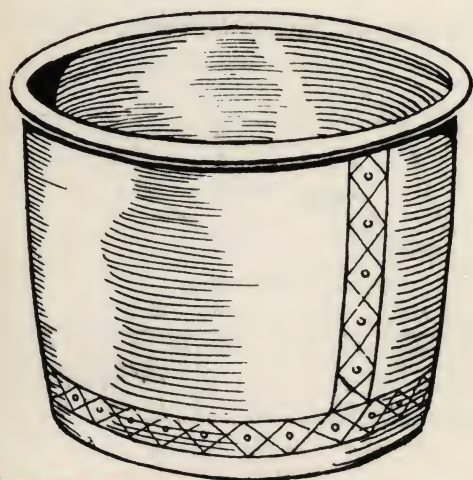
Prices on application.

If fitted with Hand-hole and Brass Cover, extra to above Prices.

Copper and Wrought Iron Welded Boilers made to specific sizes to suit particular requirements. Lowest Net Prices on application.



# Ewart's Copper Furnace Pans.



**Solid Copper Strongly Riveted.**

## Details and Prices.

Capacity ... galls.	6	8	10	12	14	18	20	25
Inside Diameter at top, ins.	13½	15½	17	18½	19½	21	21½	23½
Depth of Sides ... "	11	12	13	13½	14	15½	15½	17½
Approximate Weight lbs.	9	12	15	18	21	25	26	34
<b>Price</b>	<b>13/-</b>	<b>17/6</b>	<b>21/6</b>	<b>26/-</b>	<b>30/-</b>	<b>35/-</b>	<b>36/6</b>	<b>49/-</b>
Capacity ... galls.	30	35	40	45	50	60	75	90
Inside Diameter at top, ins.	25	26	26½	28	30	31	34	36
Depth of Sides ... "	18½	19	19½	20½	22	23	24½	26½
Approximate Weight lbs.	39	46	51	61	69	83	110	133
<b>Price</b>	<b>56/-</b>	<b>66/-</b>	<b>77/6</b>	<b>87/6</b>	<b>97/6</b>	<b>119/-</b>	<b>158/-</b>	<b>191/-</b>
Capacity ... galls.	100	110	125	142	168	200		
Inside Diameter at top, ins.	37½	39	41	41½	44	46		
Depth of Sides ... "	27½	28½	30	31½	32	34½		
Approximate Weight lbs.	153	166	193	213	254	304		
<b>Price</b>	<b>219/-</b>	<b>238/-</b>	<b>277/-</b>	<b>305/-</b>	<b>364/-</b>	<b>430/-</b>		

**LONDON WEIGHT AND QUALITY.**  
Compare weight for size with other  
Furnace Pans on the market at cut prices.

The required strengths have been carefully estimated, and Copper Pans (particularly the larger sizes) should weigh (approximately) not less than specified above. Quotations submitted for larger or intermediate sizes, lighter or heavier gauges, on application.

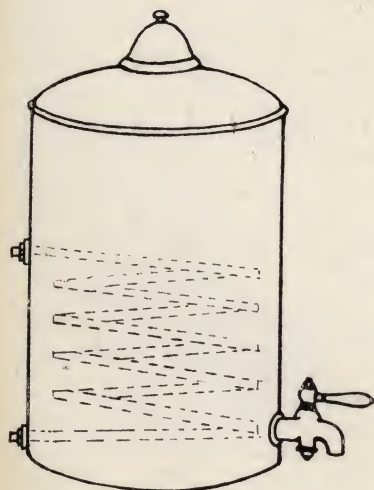
**Extra for Draw-off Pipes.** Length 15 in., excluding Cock ... Up to 30 galls. 14/9 Up to 50 galls. 20/- Up to 70 galls. 32/- Up to 100 galls. 41/-  
**Extra for Brass Draw-off Cock** ... ¾ in., 7/-; 1 in., 11/-; 1¼ in., 16/8; 1½ in., 21/-

## Ewart's Steam Kettle.

**For Restaurants, Hotels, Cafés, Factories.**

Made of stout Copper with lift-off cover, strong Steam Coil (tested to 60 lbs. working pressure) with screwed bosses for connection, and ¾ inch draw-off tap.

**Efficient and Durable.**



### Sizes & Prices.

Capacity. Galls.	PRICE. £ s. d.
0	3 16 0
8	4 13 6
10	5 8 0
12	6 3 0
16	7 13 0
20	9 2 6
30	12 6 0
40	16 6 6
50	19 13 6
60	23 3 0

## Ewart's Steam Heated Cylinder.

A Combined Cylinder and Steam Heater (CALORIFIER) made throughout of stout Copper with riveted top. Fitted with solid drawn Copper Coil and Brass Connection Couplings through sides of cylinder. Inlet and outlet Screwed Flanges.

Cylinder tested to 30 lbs.  
per square inch.  
Coil tested to 150 lbs. per  
square inch.

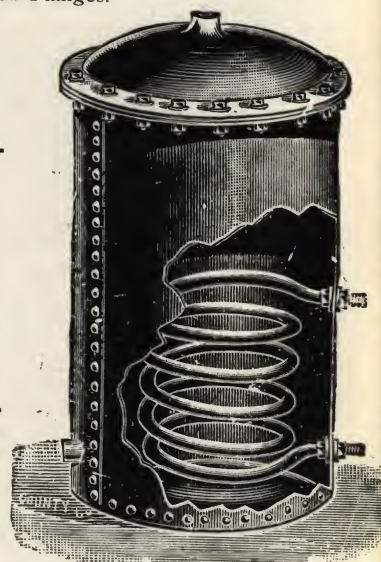
### Sizes and Prices.

Galls.	Height. Ins.	Diam. Ins.	PRICE. £ s. d.
20	24	18	8 3 0
25	30	18	9 10 6
30	36	20	10 17 6
55	36	24	17 6 6
80	42	27	22 15 6
110	48	30	27 4 0
130	60	30	32 12 6
165	48	36	34 0 0
180	54	36	38 15 0
200	60	36	42 3 0

**Extra** cost for Flanged Top with bolts, etc., and Fibrous Joint, 3/3 per inch of Diameter.

Larger or intermediate sizes to order.

Ewart's Calorifier is constructed with sufficient length of Coil to heat up to 160° Fahrenheit in about 20 minutes with 60 lbs. steam pressure. The specially constructed flanged top admits of easy and rapid removal of the Coil for cleaning or repairs, and is strongly recommended in the larger sizes.





# EWART'S

## LIGHTNING CONDUCTORS

EWART & SON LTD.  
346-50 Euston Road  
LONDON

Telephone: North 2570.      Telegrams: "Geyser London."



**THE EFFECT OF LIGHTNING ON CHELSFIELD CHURCH  
SPIRE, ORPINGTON, KENT, ON JUNE 4th, 1908.**

The adjoining sketch shows the course of the flash apparently striking the metal of the weather vane. The shingles and wood-work at the apex of the Spire appear literally pulverised. The discharge ripped off both the oak shingles and the boarding to which they were pegged, and afterwards wrecked the boarding and shingles as in the upper part of the spire. On the north side of the nave, a foot or so from the floor, was a large hole where the lightning appeared to have acted with explosive force, blowing out solid masonry and scattering the debris to a distance of some 20 feet.—*Reproduced from "The Builder."*

# EWART'S LIGHTNING CONDUCTORS.

Registered Designs.

## PRICES.

### Lightning Conductor Finials, Tape, Saddles, etc.

		£	s.	d.
<b>No. 50.</b>	Solid copper rod finials, 3 ft. long $\times \frac{5}{8}$ -in. diameter, pointed and screwed as illustration... ..	9	6	
<b>No. 51.</b>	Solid copper rod finials, 3 ft. long $\times \frac{5}{8}$ -in. diameter, mounted with four points and screwed... ..	17	0	
<b>No. 52.</b>	Solid copper rod finials, 3 ft. long $\times \frac{3}{4}$ -in. diameter, mounted with four points and screwed... ..	1	3	6

These Finials are also made in cheaper quality, of stout copper tube in place of solid rod.

<b>No. 50A.</b>	Stout copper tube finial, 3 ft. long $\times \frac{5}{8}$ -in. diameter, pointed and screwed as No. 50 ... ..	7	9	
<b>No. 51A.</b>	Stout copper tube finial, 3 ft. long $\times \frac{5}{8}$ -in. diameter, mounted with four points and screwed as No. 51 ... ..	15	0	
<b>No. 52A.</b>	Stout copper tube finial, 3 ft. long $\times \frac{3}{4}$ -in. diameter, mounted with four points and screwed as No. 52 ... ..	1	1	0

The length of finials may be increased, if desired; prices on application stating particulars.

<b>No. 53.</b>	Solid copper tape, $\frac{3}{4}$ -in. $\times \frac{1}{8}$ -in. thick ... ..	per foot	9	
<b>No. 54.</b>	Solid copper tape, 1 in. $\times \frac{1}{8}$ -in. thick ... ..	„	1	0
<b>No. 55.</b>	Solid copper tape, $1\frac{1}{4}$ in. $\times \frac{1}{8}$ -in. thick ... ..	„	1	3
<b>No. 56.</b>	Solid copper tape, $1\frac{1}{2}$ in. $\times \frac{1}{8}$ -in. thick ... ..	„	1	6
<b>No. 57.</b>	Solid gun-metal base, suitable for flat roof... ..	each	6	0
<b>No. 58.</b>	Solid gun-metal base, suitable for ridge of roof ... ..	„	6	6
<b>No. 59.</b>	Solid gun-metal screwed coupling, for connecting tape to finial ... ..	...	2	6
<b>No. 60.</b>	Solid gun-metal saddle or clip, for fixing tape to wall: For $\frac{3}{4}$ -in. $\times \frac{1}{8}$ -in. tape ... ..	per doz.	3	0
<b>No. 61.</b>	Do. For 1 in. $\times \frac{1}{8}$ -in. tape ... ..	„	4	3
<b>No. 62.</b>	Do. For $1\frac{1}{4}$ -in. $\times \frac{1}{8}$ -in. tape ... ..	„	5	6
<b>No. 63.</b>	Do. For $1\frac{1}{2}$ -in. $\times \frac{1}{8}$ -in. tape ... ..	„	7	9

NOTE.—Owing to the variations of the copper market, prices are subject to alteration.



# EWART'S LIGHTNING CONDUCTORS.

Registered Designs.

## PRICES.

### Lightning Conductor Accessories.

<b>No. 64.</b>	Solid copper screws, for fixing saddles ...	per gross	£	s.	d.
				<b>8</b>	<b>6</b>
<b>No. 65.</b>	Galvanized iron screws, for fixing saddles...	„		<b>2</b>	<b>0</b>
<b>No. 66.</b>	Copper nails, for fixing saddles ... ..	„		<b>7</b>	<b>0</b>
<b>No. 67.</b>	Galvanized iron nails, for fixing saddles ...	„		<b>1</b>	<b>9</b>
<b>No. 68.</b>	Solid copper earth-plates, ready slotted for lacing tape:				
	2 ft. x 2 ft. x $\frac{1}{16}$ -in. thick ... ..			<b>1</b>	<b>8 0</b>
<b>No. 69.</b>	Do. 2 ft. x 2 ft. x $\frac{1}{8}$ -in. thick ... ..			<b>2</b>	<b>14 6</b>
<b>No. 70.</b>	Do. 3 ft. x 3 ft. x $\frac{1}{16}$ -in. thick ... ..			<b>2</b>	<b>17 6</b>
<b>No. 71.</b>	Do. 3 ft. x 3 ft. x $\frac{1}{8}$ -in. thick ... ..			<b>5</b>	<b>12 0</b>
<b>No. 72.</b>	Solid copper earth contact, "Ewart's Improved Pattern"			<b>2</b>	<b>2 0</b>
<b>No. 73.</b>	Solid copper rivets, for making connections	per doz.			<b>9</b>
<b>No. 74.</b>	Solid gun-metal dowells, with nuts for fixing Nos. 57 and 58 finial bases ... ..	each		<b>1</b>	<b>9</b>
<b>No. 75.</b>	Solid copper screws, for fixing finial bases Nos. 57 and 58 ... ..	per doz.		<b>1</b>	<b>6</b>

The above are all of the best make and finish, and made from specially selected material.

Large stocks kept for immediate delivery.

Lightning Conductors supplied and erected in any part of the country.

Plans and Estimates submitted from drawings.

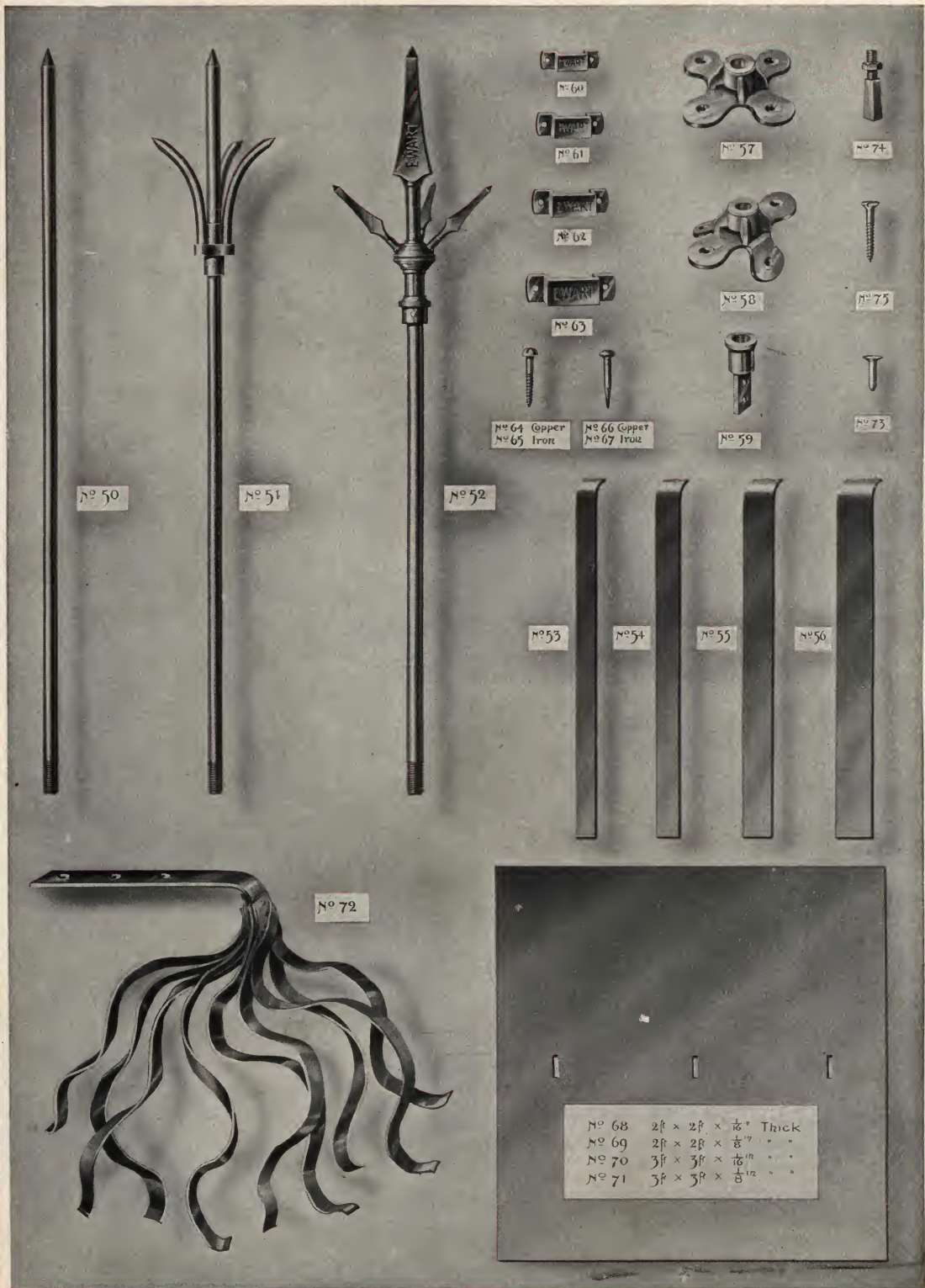
Existing Conductors examined and tested, and reports furnished.

**Every Lightning Conductor should be tested on erection & periodically inspected & tested.**

NOTE.—Owing to the variations of the copper market, prices are subject to alteration.

# EWART'S LIGHTNING CONDUCTORS.

Registered Designs.





18 GOLD MEDALS  
and  
AWARDS.

Telephone No. "North 751."  
Telegrams "Geyser, London."

ESTABLISHED 1834.

Contractors to His Majesty's Government.

# EWART'S BATHS

in

Copper, Zinc, and  
Porcelain Enamelled  
Cast Iron.

**EWART & SON Limited**  
**346, 348, 350, Euston Rd., LONDON, N.W.**

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# Ewart's Spray Baths.



## Ewart's "Moncrieff" Spray Bath.

No. 1.

Cast Iron 6 ft. long parallel sided Plunge Bath, best white porcelain enamelled inside and on roll; Spray Hood of Plate Zinc, first quality metallic enamelled and hand polished. Bath and Hood enamelled best finish outside, complete with 1 in. nickel-plated combined fittings for Plunge, Spray, Shower, 2 in. trapped waste and overflow,

Price £27 10s. 0d.

		PRICES.		
		£	s.	d.
Extra, if Spray Hood is made of stout Tinned Copper and first finish metallic enamelled	...	8	0	0
" if additional services are fitted, as douche, ascending sitz, wave or jet, <i>each fitting</i>	...	1	17	6
" Ewart's "Moncrieff" Spray Bath No. "1A," fitted with Key-Hole shape Bath and Hood, the hood made of stout Zinc	...	7	10	0
" Ewart's "Moncrieff" Spray Bath No. "1B," Key-Hole shape, the hood made of Copper	...	16	10	0

**NOTE.**—Nickel-plated Brass service pipes instead of waste shield, at small extra cost, supplied if desired.  
Waterproof Curtains may be fitted at extra cost.  
For Hydros and Medical Homes, thermometers and special fittings may be added to requirements at small extra cost.  
As these Baths are made right and left-handed, when ordering please state which side fittings are required.



# Ewart's Spray Baths.

## Ewart's "Villa" Spray Bath.

No. 4.

Cast Iron parallel sided  
Bath, with plate zinc  
Spray Hood.

Complete with 1 inch  
nickel-plated fittings for  
Hot and Cold Spray,  
Shower and Plunge, fitted  
with full-way trapped  
waste and over-flow.

Height, to top of Canopy,  
5 ft. 3 in.

Width overall, 2 ft. 7 in.



### PRICES.

	£	s.	d.
Bath, 5 ft. 6 in. long, best quality, metallic enamelled throughout, complete with Hood, etc. ....	23	0	0
Bath, 6 ft. 0 in. long ... ..	24	0	0
Bath, 5 ft. 6 in. long, best white porcelain enamelled inside and on roll, metallic enamelled outside	24	10	0
Bath, 6 ft. 0 in. long, ditto ditto ... ..	26	0	0
Extra, if supplied with stout Tinned Copper Spray Hood ... ..	5	10	0
Less, any Bath without overhead shower arrangement ... ..	3	0	0
Less, if taper-sided Bath supplied, with 1/2-inch gun-metal fittings ... ..	1	10	0

**NOTE.**—As these Baths are made right and left-handed, when ordering please state which side fittings are required.

# Ewart's Spray and Sitz Baths.

This Bath is specially designed for use in Industrial Schools, Asylums, Athletic Clubs, where simplicity and durability are first essentials.

Will bear rough usage for many years.



## Ewart's "School" Spray Bath.

No. 2.

Made of stout Zinc, and is practically indestructible.

The taps are easily regulated, and there are no complicated fittings used.

No. 2.

Made of stout Zinc throughout (5 ft. 6 in. long inside) except Shower Rose, which is of Copper, and arranged for Hot and Cold, Plunge, Shower, and Needle Spray, with brass plug waste and overflow. Enamelled white inside and dark green outside ... ..

If made of Copper throughout, enamelled as above ... ..

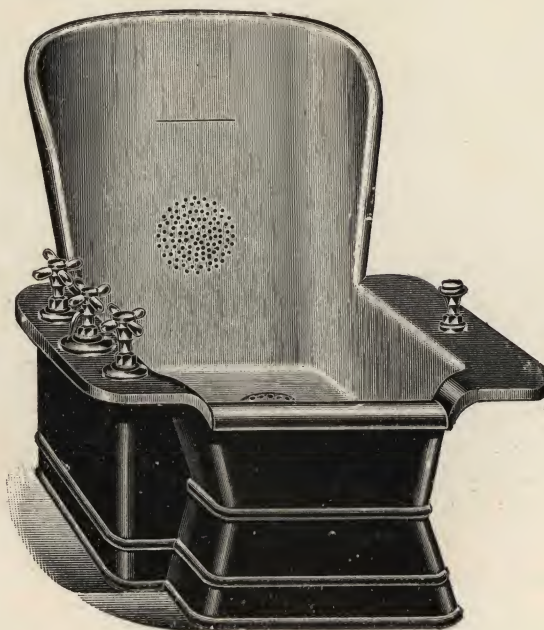
### PRICES.

£ s. d.

14 10 0

23 0 0

Fitted with Nickel-plated Combined Fittings for Hot and Cold, back douche, back spray, rising sitz, standing quick waste and overflow.



## Ewart's "Harley" Sitz Bath.

No. 3.

Width over all ... 30 in.

Height at arms ... 16 in.

Height at back ... 24 in.

No. 3.

Made throughout of stout hardened Copper, tinned and enamelled inside white or cream and hand polished, outside dark green or white ... ..

If made in stout Zinc throughout, enamelled as described ... ..

### PRICES.

£ s. d.

14 14 0

10 10 0

Ewart's "Harley" Sitz Bath in Copper Nickel-plated inside, or fitted with any special fittings for invalids' use, prices on application.



# Ewart's Spray Baths.

## Ewart's Improved "Rain" Bath.

A complete Spray Bath at low cost.

Cast Iron Bath 5 ft. 6 in. long with large well-made roll edge, and constructed to give comfort in use either as a Plunge or as a Spray Bath. Best white porcelain enamel inside, decorated outside, and fitted with Copper Spray complete, with services as described, and waterproof curtain.



### PRICES.

						£	s.	d.
<b>No. 5.</b>	Fitted with hot and cold taps, standing quick waste, hot and cold Shower, Needle Spray and Plunge	...	...	...	...	21	0	0
<b>No. 6.</b>	With Bath made of stout Copper and fitted as above	...	...	...	...	26	10	0

When the Bath is made of Copper it is sometimes silver-plated, giving a very handsome appearance.  
Prices upon application.



# Ewart's Spray Baths.

## Ewart's "Colonial" Spray Bath.

No. 7.

Cast Iron roll edge Bath best white porcelain enamelled inside, with stout Zinc Spray Hood, metallic enamelled best finish white inside. The Bath and Hood enamelled white or grained oak outside, complete with fittings for hot and cold Spray, Shower, and Plunge, the Bath fitted with plug waste and overflow.

**NOTE.**—As these Baths are made right and left handed, when ordering please state which side fittings are required.



### PRICES.

									£	s.	d.
<b>No. 7.</b>	As described above	...	...	...	...	...	...	...	23	0	0
<b>Extra,</b>	if fitted with standing quick waste and shield, as illustrated	...	...	...	...	...	...	...	1	15	0
"	if fitted with Brass Nickel-plated outside standing quick waste	...	...	...	...	...	...	...	3	10	0
"	if fitted with Nickel-plated combined fittings instead of separate taps shown in illustration	...	...	...	...	...	...	...	1	0	0

Modifications may be made to stock patterns, and other services fitted at small extra cost, on receipt of details stating requirements.  
Zinc Spray Hoods, as above, made to fit **existing Baths** at proportionate prices.



# Ewart's Spray Baths.



## Ewart's "Homestead" Spray Bath.

A reliable inexpensive Spray Bath.

The spray falls from the tube at the top of the Hood. The Bath is fitted complete with full-way quick running trapped waste.

### DESCRIPTION.

Cast Iron 5 ft. 6 in. parallel sided Bath with Zinc Hood, complete with gun-metal combined fittings for hot and cold Spray, Shower and Plunge, and glass enamelled waste trap.

### PRICES.

								£	s.	d.
No. 8.	Third finish, japanned sienna inside and dark green outside	...	...	...	...	...	...	16	10	0
No. 9.	Best Metallic enamelled white inside and dark green outside	...	...	...	...	...	...	18	15	0
No. 10.	The Bath, best white porcelain enamelled inside and on roll, enamelled dark green outside, the hood best metallic enamelled inside and dark green outside	...	...	...	...	...	...	20	15	0
Extra,	nickel-plated fittings	...	...	...	...	...	...	0	18	6

**NOTE.**—As these Baths are made right and left handed, when ordering please state which side fittings are required.



# Ewart's Improved "Cabinet" Bath.

Fitted complete with hot and cold service to Shower, Needle Spray, Wave, Plunge and Rising Sitz.

**No. 11.** Bath made 5 ft. 6 in. long, parallel sided, of tinned Steel, hood made of stout Zinc, metallic enamelled first finish white inside, and complete with best finish mahogany Cabinet as illustrated Price **£43 0 0**

**No. 12.** Bath 5 ft. 6 in. long, made of Cast Iron, best white porcelain enamelled inside, with Zinc hood, and mahogany Cabinet complete Price **£38 0 0**

**No. 13.** Bath 5 ft. 6 in. long, made of Cast Iron, best white porcelain enamelled inside, with Copper hood and mahogany Cabinet complete ... Price **£46 10 0**

**No. 14.** As No. 11, only Bath made 6 ft. long, Price **£45 0 0**

**No. 15.** As No. 12, only Bath made 6 ft. long, Price **£40 0 0**

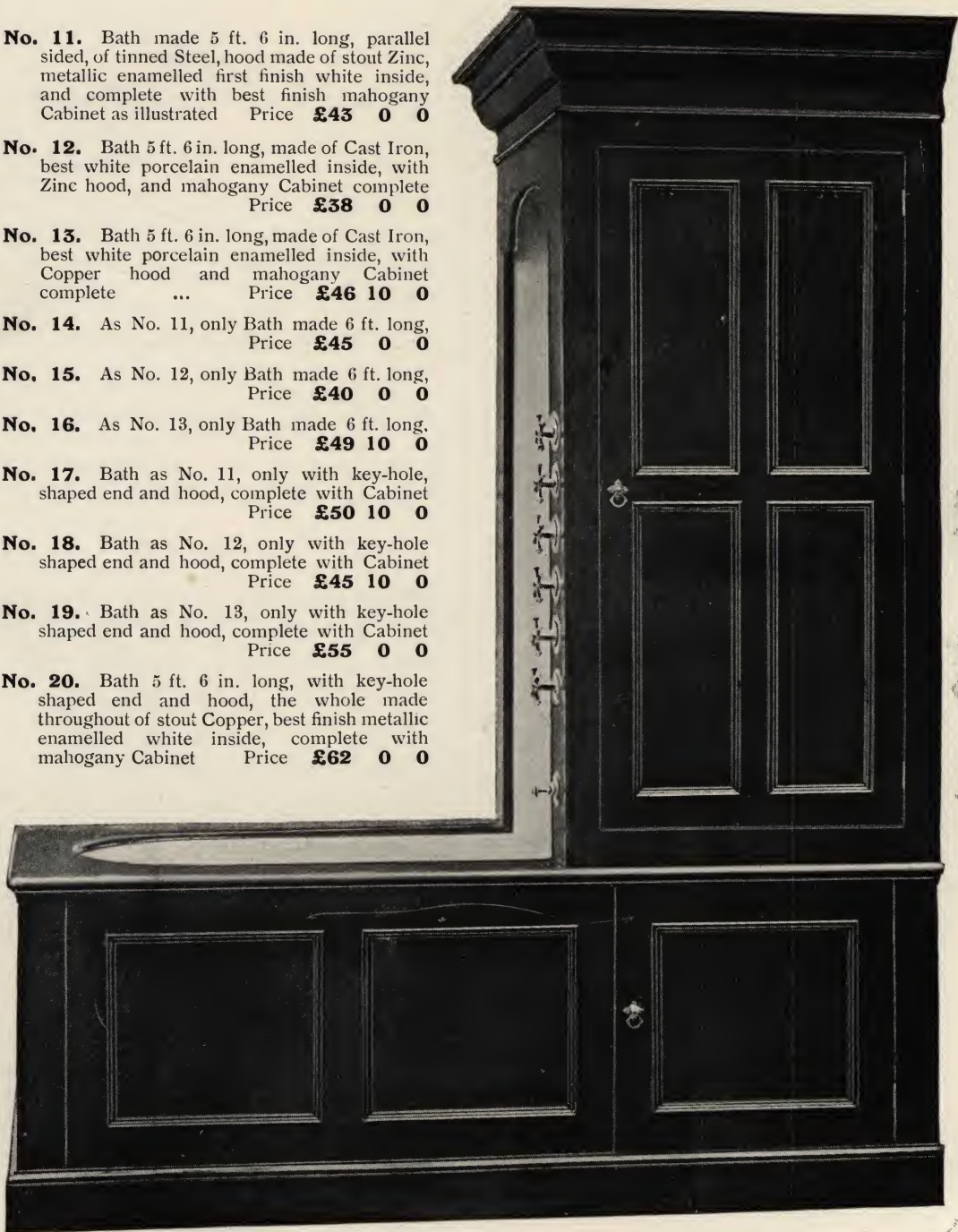
**No. 16.** As No. 13, only Bath made 6 ft. long, Price **£49 10 0**

**No. 17.** Bath as No. 11, only with key-hole, shaped end and hood, complete with Cabinet Price **£50 10 0**

**No. 18.** Bath as No. 12, only with key-hole shaped end and hood, complete with Cabinet Price **£45 10 0**

**No. 19.** Bath as No. 13, only with key-hole shaped end and hood, complete with Cabinet Price **£55 0 0**

**No. 20.** Bath 5 ft. 6 in. long, with key-hole shaped end and hood, the whole made throughout of stout Copper, best finish metallic enamelled white inside, complete with mahogany Cabinet Price **£62 0 0**

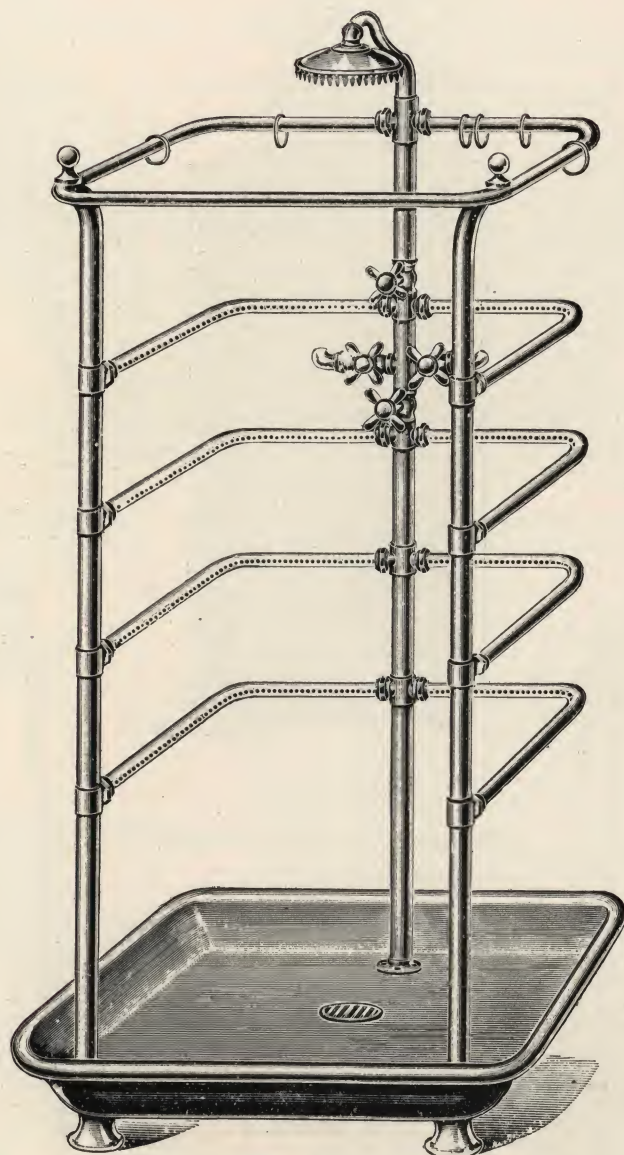


Any modification of Spray Baths made to special order, prices upon receipt of details.

Mirrors may be fitted into the panels of the Cabinet, prices upon application.



# Ewart's "Hydro" Needle Spray Bath.



No. 21.

Suitable for Social Clubs, Athletic Clubs, Schools and Public Baths. This form of Bath is made in many ways, but the above illustration shows the form in general use.

## PRICES.

	£	s.	d.
With service taps for hot and cold, and curtain rail, <u>Copper</u> Receiver, enamelled best finish, white inside and dark green outside, with waste grating and with waterproof curtain complete. Height to top of Shower, 7 ft. 6 in.; Receiver 3 ft. square by 10 in. high, by 6 in. deep inside	18	10	0
If with Zinc Receiver instead of Copper, and made without feet	16	0	0
If mounted on flat Sicilian marble slab, dished in centre, extra	10	0	0

Any special design of Spray or Needle Bath made to Customer's requirements on receipt of details.

# Ewart's Shower Baths.

## Ewart's Combined Shower and Spray Bath.

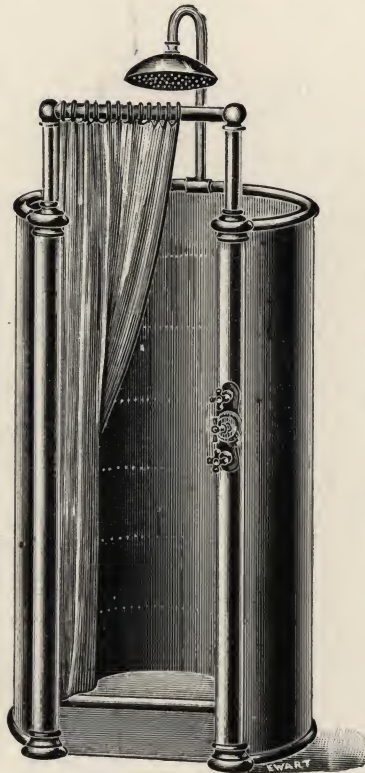
No. 22.

For Athletic Clubs, Schools, Hotels, Barracks, Chemical Works, etc.

The design and moderate floor space required make this Shower Hood Bath specially suitable for Hospitals and Institutions where quick service of baths is essential.

Height of Hood, 5ft. 3in.

Width inside, about 2ft.



### Details and Prices.

No. 22.

Made of stout Zinc, not enamelled, with gun-metal combined fittings for hot and cold Shower and Spray, without dish bottom and without curtain, to stand on tiled floor,

Price £14 0 0

Made of stout Copper, £22 0 0

**Extra**, if best finish metallic enamelled inside and outside £2 5 0

**Extra**, if fitted with waterproof curtain as illustrated ... £2 5 0

**Extra**, if fitted with Zinc beaded front base tray as illustrated ... £1 16 0

**Extra**, Nickel-plated fittings throughout £1 5 0

Smaller sizes are made for children. Prices upon application.



No. 23.

## Ewart's Round Shower Bath.

No. 23.

Fitted with pillars and brass rising main pipe, improved pump and valve, brass tap, Copper water ways and curtain complete ... Price £5 11 6

## Ewart's Oblong Shower Bath.

No. 24.

Fitted with portable mahogany seat, japanned marble, or any colour to order, brass rising main pipe, brass pump and improved valves, tap, tinned Copper water ways and curtain complete.

Price £7 12 0

**NOTE.**—Waterproof or Rubber Curtains supplied at a small extra cost.



No. 24.



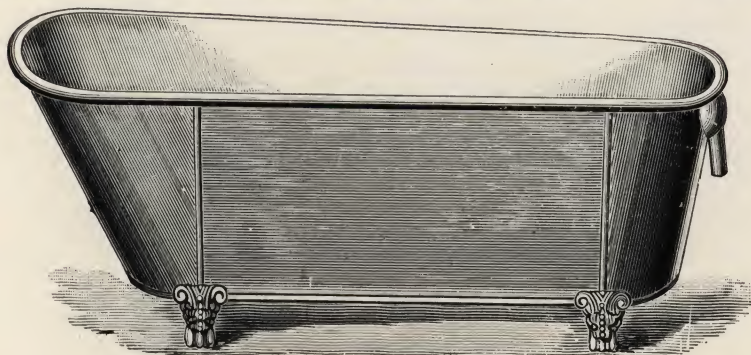
# Ewart's Sheet Metal Baths.

## Ewart's "Independent" Bath.

COPPER.

GALVANIZED IRON.

ZINC.



No. 25.

Full size, 5 ft. 6 in. long, 21 inches deep inside, with rolled top, on ornamental Cast feet, with plug and bent union for waste, and overflow pipe at narrow end. Enamelled sea green inside and dark green outside, or usual white and oak.

### PRICES.

	Copper.				Galvanized Iron.				Stout Zinc.		
	£	s.	d.		£	s.	d.		£	s.	d.
Bath 5 ft. 6 long ...	8	10	0	...	3	10	0	...	3	15	0
Bath 6 ft. long	10	10	0	...	4	0	0	...	4	5	0

## Ewart's "Cottage" Bath.



No. 26.

A well-made Sheet Metal Bath, fitted with brass plug, union and overflow, 18 in. deep inside, on ornamental feet. Enamelled white or white marble inside, and dark green or oak outside.

### PRICES.

	Tinned or Galvanized Iron.				Stout Zinc.				Copper.		
	£	s.	d.		£	s.	d.		£	s.	d.
5 ft., or 5 ft. 3 in. long inside	2	10	0	...	2	10	0	...	7	0	0
5 ft. 6 ins. long inside ...	2	12	6	...	2	12	6	...	7	0	0

If fitted with  $\frac{3}{4}$  in. hot and cold cocks and standing quick waste, extra £1 17 6

Can be supplied dimensions modified and japanned to any colour at a small extra cost.

# Ewart's Sheet Metal Baths.

## Ewart's Sheet Metal Bath for Wood Casing.



**No. 27.**

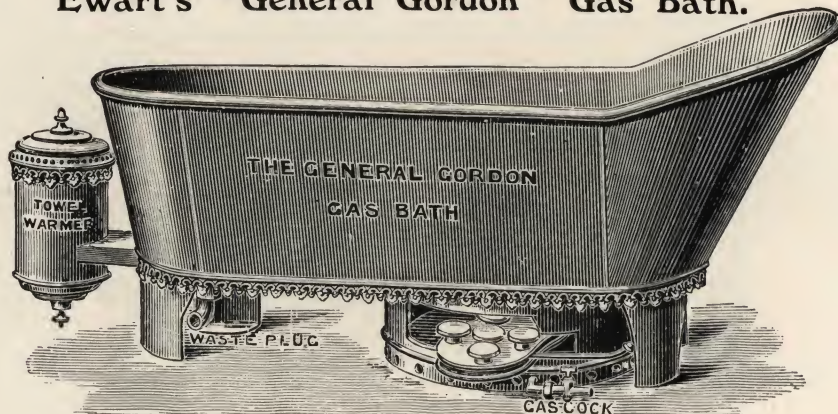
Full size, 5 ft. 6 in. long, about 21 inches deep inside, with flat bottom. The well, waste pipe and overflow are always made of Copper. Waste pipe  $1\frac{1}{4}$  in. diameter may be either connected to a Standard Waste or fitted with a waste tap. Enamelled inside white marble or sea green.

	PRICES.										
	Copper.				Galvanized Iron				Stout Zinc.		
	£	s.	d.		£	s.	d.		£	s.	d.
Bath 5 ft. 6 in. long	7	15	0	...	3	10	0	...	3	15	0
Bath 6 ft. long	9	5	0	...	4	0	0	...	4	5	0

Or with rounded flange, pitched bottom and enamelled best finish, hand polished inside—Extra ... **£1 10 0**

NOTE.—Sheet Metal Baths are made parallel sided, or to special measurements, prices on application.

## Ewart's "General Gordon" Gas Bath.



**No. 28.**

The sides made of best Sheet Iron, carefully tinned and japanned white inside and dark oak outside; the bottom entirely of hardened Copper. Fitted with waste plug and loose bent union for easy connection to waste pipe. Movable towel warmer. Powerful atmospheric burner.

The ornamental fret around the bottom of Bath is now usually omitted, as it is found to be inconvenient.

### PRICES.

	£	s.	d.		£	s.	d.
Complete, including gas tap, 5 ft. long	5	0	0	5 ft. 6 in. long	5	10	0

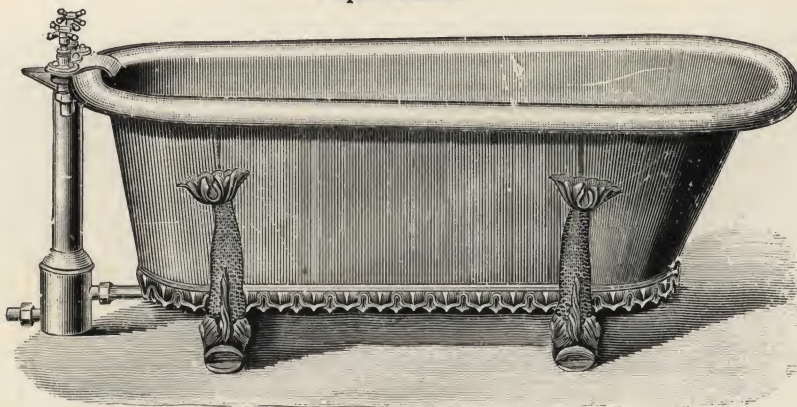
When ordering please state which hand. The illustration is a right hand.



# Ewart's Sheet Metal Baths.

## Ewart's "Roman" Bath.

Taper sided.



No. 29.

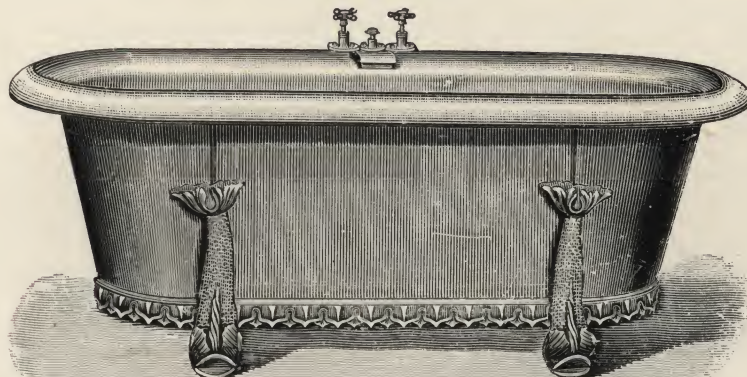
With ornamental Dolphin feet, 3 in. roll, arranged for Standard waste and hot and cold supplies at narrow end of Bath. Enamelled best finish white or sea green inside, and rich dark red or dark green outside, or any plain colours to order.

Length inside, 5 ft. 4 in. ; length over all, 6 ft. 6 in. ; depth inside, 1 ft. 8 in.

	PRICES.		
	£	s.	d.
Made of Galvanized Iron or Zinc, including fittings, complete, as illustrated ... ..	12	10	0
Made of Copper, enamelled inside best finish and hand polished ... ..	18	10	0
Either Bath, if arranged with ordinary plug waste and overflow instead of Standard Waste and taps ... .. less	1	0	0

## Ewart's "Roman" Bath.

Equal ended.



No. 30.

With ornamental Dolphin feet, 5 in. roll, arranged for Standard waste and hot and cold supplies at back of Bath. Enamelled best finish white or sea green inside, and rich dark red or dark green outside, or any plain colours to order.

Length inside, 5 ft. 4 in. ; length over all, 6 ft. 2 in. ; depth inside, 1 ft. 8 in.

	PRICES.		
	£	s.	d.
Made of Galvanized Iron or Zinc, including fittings, complete, as illustrated ... ..	15	0	0
Made of Copper, enamelled inside best finish and hand polished ... ..	22	0	0
Either Bath, if arranged with ordinary plug waste and overflow instead of Standard Waste and taps ... .. less	1	0	0

# Ewart's Sheet Metal Baths.

## Ewart's "Bijou" Bath.



No. 31.

Made of Picked Galvanized Steel or Tinned Iron, on ornamental feet, enamelled sea green inside, dark green outside, or white marble inside and maroon outside.

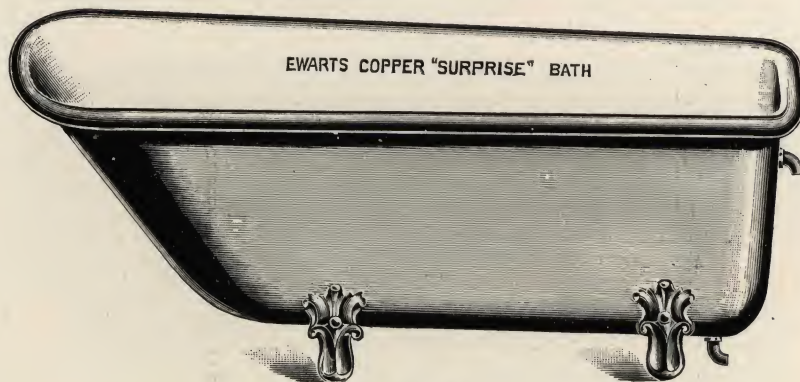
The "Bijou" is a very handsome Bath and has a specially broad roll, with anti-splash bead. Supplied complete, with a table for a Geyser at foot of Bath, and brass plug and overflow.

Length inside, 5 ft. 6 in.; length over all, 6 ft. 1 in. (including table); width at head, 2 ft. 1½ in.; width at toe, 1 ft. 10 in.; depth, 1 ft. 7 in. ... Price **£3 15 0**

Made of Copper ... Price **£8 7 0**

Sheet Metal Baths are particularly suitable for use with Geysers, as they absorb practically no heat from the hot water.

## Ewart's Copper "Surprise" Bath.



No. 32.

Made of hardened Copper, tinned inside and enamelled first finish white and hand polished; outside bright polished Copper lacquered, or enamelled outside any plain colour, price the same.

Broad roll edge, rounded bottom, mounted on ornamental feet, complete with brass plug and overflow.

Length inside, 5 ft. 6 in.; length over all, 5 ft. 10 in.; width at head, 2 ft. 1 in. inside; 1 ft. 9 in. deep inside ... Price **£10 10 0**

If bright tinned and planished inside, extra **15/-**

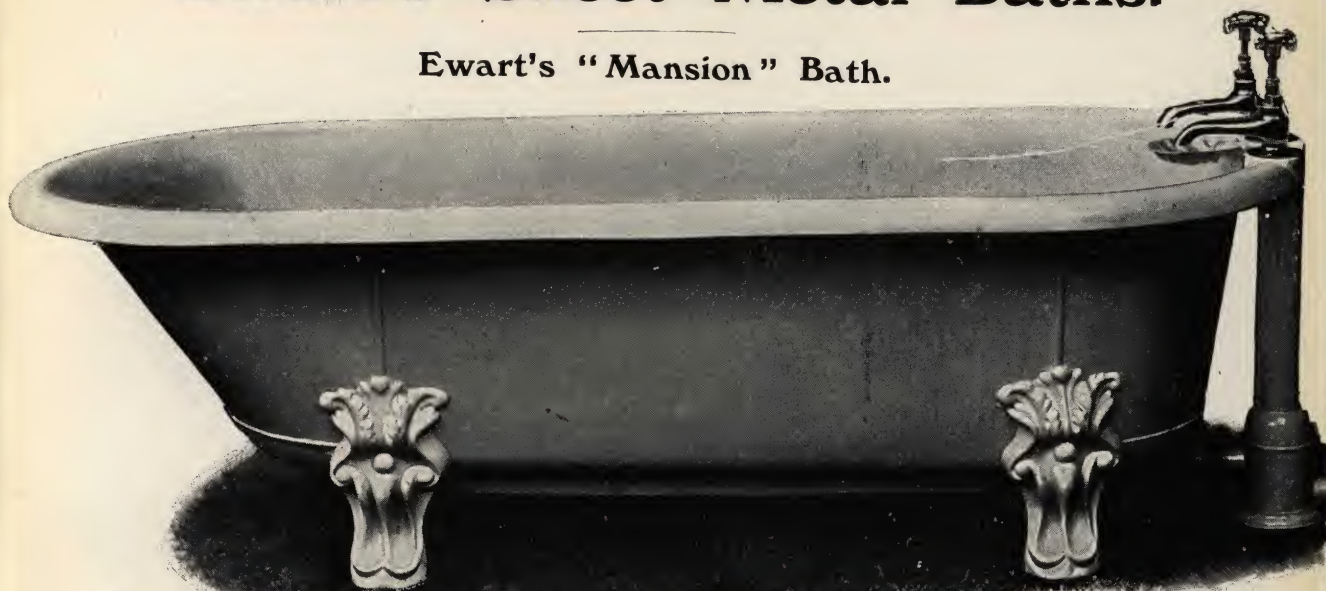
Other sizes and dimensions at proportionate prices.

The Copper "Surprise," Bath as an example demonstrating Durability, Design and Finish, is unequalled.



# Ewart's Sheet Metal Baths.

## Ewart's "Mansion" Bath.



No. 33.

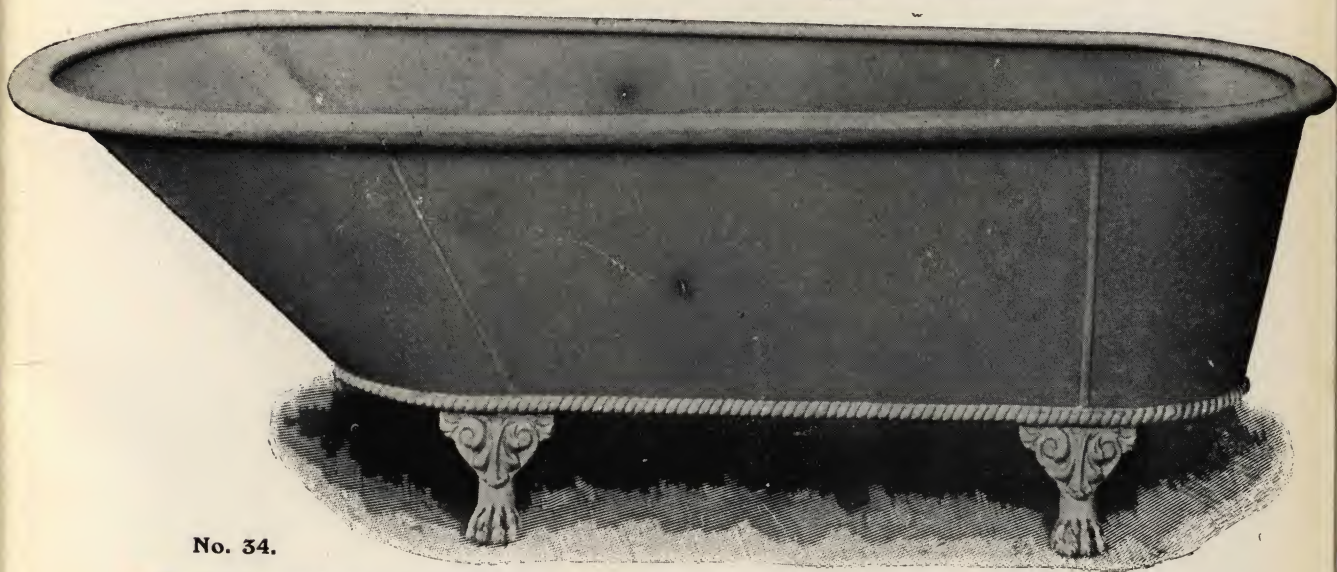
Designed to afford comfort to the bather and a bath that is easy to step into and out of. The Bath is shallow but holds plenty of water. Parallel sided, mounted on ornamental feet, broad roll, rounded bottom, complete with hot and cold independent taps and standard quick waste. Enamelled white or sea green inside and white outside, or other colours to order.

Length inside, 5 ft. 6 in.; width inside, 26 in.; width over all, 34 in.; depth inside, 18 in.; height over all, 22 in.

**Price**, made of stout Zinc, **£7 10 0**; made of Copper, **£15 0 0**

This Bath is sometimes made 22 in. deep inside, standing 26 in. high over all, prices upon application.

## Ewart's Improved "Challenge" Bath.



No. 34.

This Bath is of handsome appearance, with broad roll, anti-splash bead, fitted with brass plug, bent union and overflow. Taper sided, mounted on ornamental feet. Zinc or galvanized Iron Baths enamelled white inside, dark green outside; Copper Baths, white or sea green inside, best finish hand polished dark green or crimson outside.

Taper sided—length inside, 5 ft. 6 in.; width at head, 24 in.; width at foot, 18 in.; depth inside, 18 in.

Parallel sided—same length and depth as Taper, 24 in. wide.

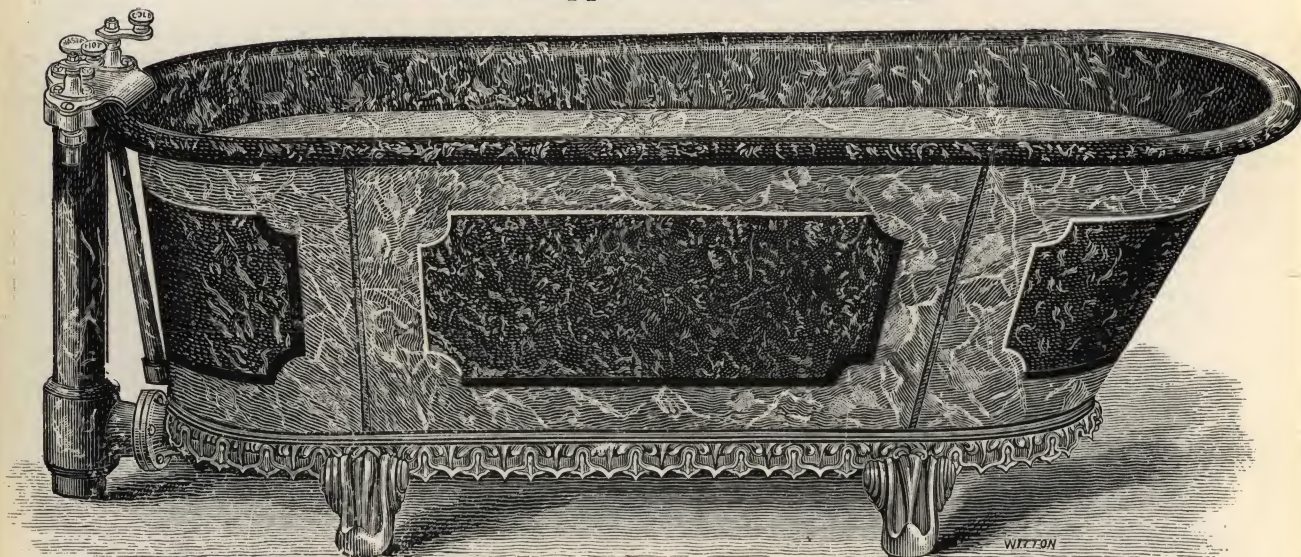
<b>Price</b>	Taper sided—made of Copper,	<b>£8 5 6</b> ;	Taper sided—made of Galvanized or Tinned Iron, or stout Zinc,	<b>£3 15 0</b>
	Parallel sided—	<b>£9 10 0</b> ;	Parallel sided—	<b>£4 5 0</b>
	Bath 6 ft. long, extra—	<b>£1 10 0</b> ;	Bath 6 ft. long, extra—	<b>£0 10 0</b>

The "Challenge" Bath may be made with any combination of fittings to order.



# Ewart's Sheet Metal Baths.

## Ewart's Copper "Luxe" Bath.



Complete with 2 in. Copper Standard Waste and 1 in. combined nickel-plated hot and cold fittings, mounted on ornamental feet. Bath tinned inside and enamelled white inside and hand polished, fancy marble enamelled panels, and tastefully decorated marble outside, to order.

	Length inside. ft. in.	Width inside at head. Inches.	Width inside at foot. Inches.	Depth inside. Inches.	Total Length. ft. in.	PRICES.		
No. 35.	6 0	27	24	21	7 0	£	s.	d.
No. 36.	5 6	27	24	21	6 5	18	10	0
						17	10	0
Either Bath if bright tinned and planished inside instead of enamelling, extra						1	0	0
Either Bath fitted with plug and overflow instead of Standard Waste, less						1	0	0

## Ewart's Copper "Shah" Bath.



With broad roll edge, rounded bottom, on ornamental feet, complete with brass plug and overflow. Bath tinned inside and enamelled first finish white hand polished; outside enamelled white, dark green, or any colour to order.

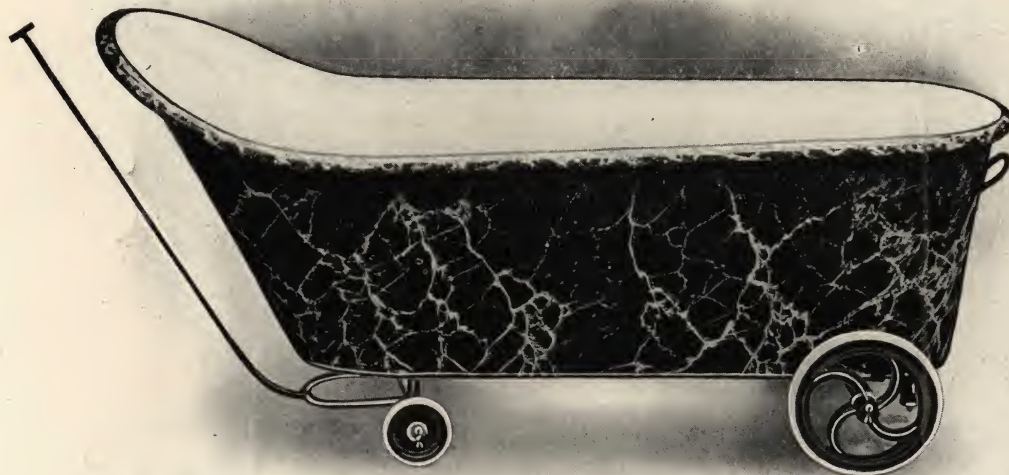
	Length inside. ft. in.	Width inside at head. Inches.	Width inside at foot. Inches.	Depth inside. Inches.	Total Length. ft. in.	PRICES.		
No. 37.	5 6	25	21	20	6 0	£	s.	d.
No. 38.	6 0	25	21	20	6 6	12	0	0
						13	0	0
Either Bath if bright Tinned and planished inside instead of enamelling, extra						1	0	0



# Ewart's Hospital Baths.

## Ewart's "Asylum" Hospital Bath.

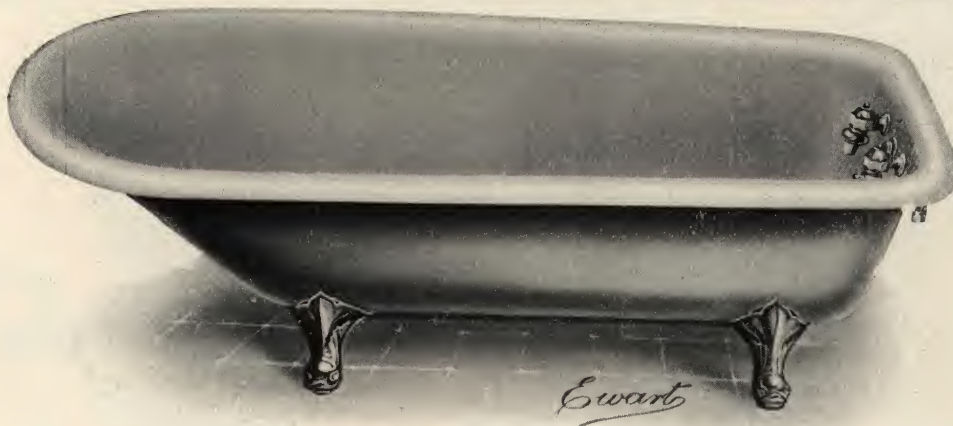
May be made taper or parallel sided. Flat bottom, single outside rounded bead without exposed edges. Waste Cock 1 inch at foot end, emptying from bottom of bath. Stout drag handle. Mounted on four wheels with solid india-rubber tyres, the front wheel swivelled. Enamelled white inside and green marble outside.



### PRICES.

				£	s.	d.
<b>No. 39.</b>	Made 5 ft. 3 ins. long, of stout Zinc or Galvanized Iron, enamelled second finish	...	...	7	17	0
<b>No. 40.</b>	Made 5 ft. 6 ins. long, ditto, ditto	...	...	8	0	0
<b>No. 41.</b>	Made 5 ft. 3 ins. long, of stout Copper, enamelled first finish...	...	...	12	15	6
<b>No. 42.</b>	Made 5 ft. 6 ins. long, ditto, ditto	...	...	13	0	0

## Ewart's "Princess" Porcelain Enamel Cast Iron Bath.



### No. 43.

On account of the hardness, brilliant surface, and durability of porcelain enamel it is by some considered the best finish for Baths. The "Princess" is a cast iron, roll edge bath, of ample dimensions; porcelain enamelled on the inside, and on roll, and plain painted outside.

Complete with hot and cold taps of improved construction, which is patented, offering no weak parts to be bent or twisted, as with the common form of bath tap.

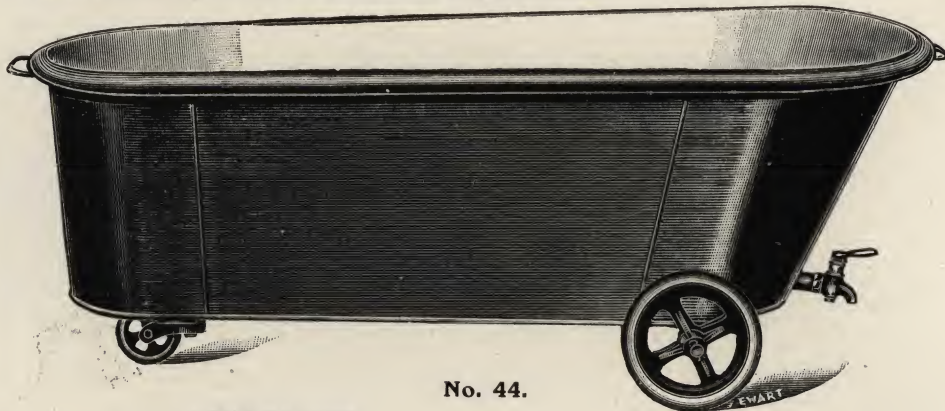
Dimensions.—		Length.	Width at Head.		Width at Foot.		Depth.
		ft. in.	ft.	in.	ft.	in.	ft. in.
Inside	...	5 6	1	11	1	7	1 6
Outside	...	6 0	2	6	2	1	1 10½

Complete with Taps, Plug and Overflow, **£5 16 6**  
Also supplied 5 ft. long inside. Prices on application.

# Ewart's Hospital Baths.

## Ewart's "University" Hospital Bath.

Taper sides, flat bottom, single outside rounded head without exposed edges. Waste Cock,  $\frac{7}{8}$  inch at head. Handle at each end. Mounted on three wheels with solid india-rubber tyres. Front wheel swivelled. Enamelled white or sea green inside and grained oak or dark green outside.



No. 44.

### DIMENSIONS.

Length over all.	Length inside.	Width inside at head.	Width inside at toe.	Total height.	Depth inside.
Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
69	66	25	18	27	20
63	60	24 $\frac{1}{2}$	18	26	20

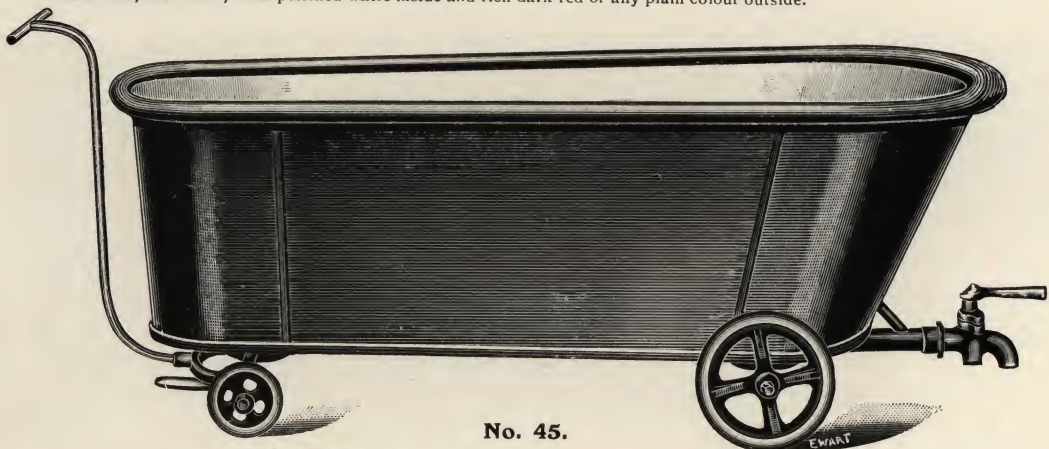
### PRICES.

Copper.	Stout Zinc or Galvanized Iron.
£8 13 6 ...	£5 16 0
£8 2 6 ...	£5 8 6
	£1 1 0

If made with parallel instead of taper sides, Copper, Zinc or Iron, extra  
The shape of the roll may be altered to suit special requirements at slightly increased prices.  
This Bath is also made with four wheels and drag handle or to any shape or finish, prices quoted on receipt of details.

## Ewart's "St. Thomas" Hospital Bath.

Taper sides, broad head, 2 $\frac{1}{2}$  inches wide, half of which projects over inside of bath to prevent splashing. Waste Cock, 1 $\frac{1}{2}$  inches diameter, with lever handle. Mounted on four rubber-tyred wheels. With drag handle, as shown in diagram, arranged with catch to lock and so to stop movement of bath. Front wheels and under carriage swivelled. Flat bottom. Enamelled, best finish, hand polished white inside and rich dark red or any plain colour outside.



No. 45.

### DIMENSIONS.

Length over all when handle is upright.	Length inside under head.	Width inside at head.	Width inside at toe.	Total height.	Depth inside.
Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
78	65	24	18	25	19

### PRICES.

Copper.	Stout Zinc or Galvanized Iron.
£12 6 6 ...	£8 5 0
£11 0 0 ...	£7 7 0

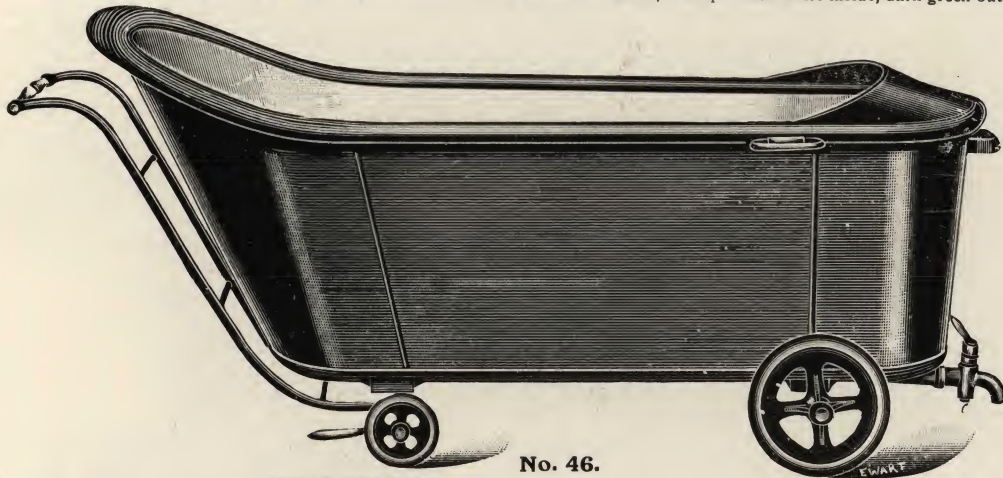
If made exactly like above, only second finish enamelled }  
and  $\frac{1}{8}$  inch Waste Cock ... }  
If Copper Bath bright tinned and planished inside instead of enamelled, extra 15/-  
The shape of the roll may be altered to suit special requirements at slightly increased prices.



# Ewart's Hospital Baths.

## Ewart's "St. George's" Hospital Bath.

This Bath, as illustrated, has a fixed cover over the foot, which may be either raised or flat, as described below. The back is raised, and behind the back there is a handle with double iron arms, connected with the back wheels and provided with stopping gear. The wheels are made to swivel on under carriage, so that the Bath is moved from the back. Mounted on four rubber-tyred wheels. Broad bead, fully rounded inside and out, without exposed edges, and half projecting over inside. Bottom flat, but rounded to sides and ends. Drop handles at sides. Waste Cock  $\frac{3}{4}$  in. diameter. Enamelled best finish, hand polished white inside, dark green outside.



No. 46.

### DIMENSIONS.

Length over all, including both handles. Inches.	Length inside under bead, measuring flat. Inches.	Width inside at head. Inches.	Width inside at toe. Inches.	Total height at back. Inches.	Depth inside. Inches.
77	62	23	19	34	18

### PRICES.

Copper.			Stout Zinc or Galvanized Iron.		
£	s.	d.	£	s.	d.
14	14	0	9	16	0

If fitted with  $1\frac{1}{2}$  in. Waste Cock instead of  $\frac{7}{8}$  in., extra 15/6.

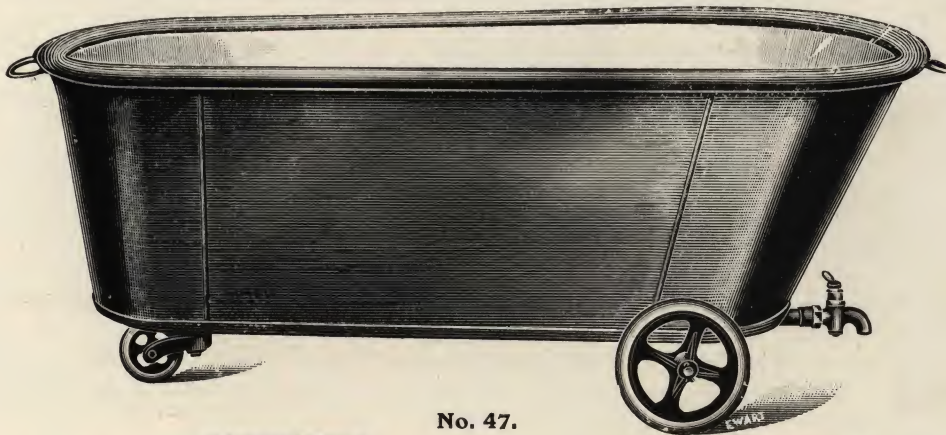
If Copper Bath bright tinned and planished inside instead of enamelled, extra 15/-

The shape of the roll may be altered to suit special requirements at slightly increased cost.

The shape of the cover over the foot may be varied, or formed as a soap and sponge tray, without extra charge.

## Ewart's "Netley" Hospital Bath.

Rounded bead of special design projecting inside of Bath and hollow inside, preventing risk of splashing. Taper sides. Mounted on three wheels with rubber tyres. Front wheel swivelled. Drop handle each end. Waste Cock  $\frac{3}{4}$  in. diameter. Enamelled best finish, hand polished white inside, dark green outside.



No. 47.

### DIMENSIONS.

Length over all. Inches.	Length inside under bead. Inches.	Width inside at head. Inches.	Width inside at toe. Inches.	Total height. Inches.	Depth inside. Inches.
69	66	25	19	27	21

### PRICES.

Copper.			Stout Zinc or Galvanized Iron.		
£	s.	d.	£	s.	d.
11	11	0	7	14	0

With parallel instead of taper sides, either Copper, Zinc or Iron Baths, extra £1 1 0

If fitted with  $1\frac{1}{2}$  in. Waste Cock instead of  $\frac{7}{8}$  inch, extra 15/6.

If Copper Bath bright tinned and planished inside instead of enamelled, extra 15/-

This Bath is also made with four wheels and drag handle or to any shape or finish, prices quoted on receipt of details.

# Ewart's "Hood" Portable Chair-Bath.



This Bath has been specially designed for Hospital needs and for the use and comfort of those who from temporary illness or infirmity are confined to particular rooms. It will also be found convenient in Nurseries and houses having no fitted bath supply or where temporary increased bath accommodation is required.

The Bath is made "Chair-shape" and provides a greater degree of comfort by reason of the user being able to take up an ordinary position as in a chair, whilst being able to sponge the body all over if desired without fear of splashing. It is fitted with rubber tyred wheels in front, which enable it to be easily and quietly wheeled to the side of a bed.

The Bath, as it does not exceed 25 inches across the widest part, can be wheeled through an ordinary doorway.

In weight it is slightly heavier than the "Sitz" Bath but, nevertheless, can be easily lifted for emptying, or it can be emptied over a waste by means of the tap which is fixed to the front as shown in diagram. It can be readily moved from place to place and filled and emptied wherever most convenient, thus avoiding the carrying of hot and cold water while filling or emptying.

It will also be seen that the shape of the bath necessitates the use of a smaller quantity of water than is usually required in the ordinary bath.

It combines the advantages of a Hip Bath, Sponge Bath, and Foot Bath, and is particularly suitable for use in Hospitals, its portability saving the necessity of moving the patient or invalid any distance, or, if desired, the patient or invalid can be placed in the Bath and easily moved to any ward or room.

## DIMENSIONS AND PRICE.

	Height over all.	Width.	Length.	£	s.	d.
No. 48.	38 in.	25 in.	40 in.	6	5	0

Enamelled white inside and dark green outside.

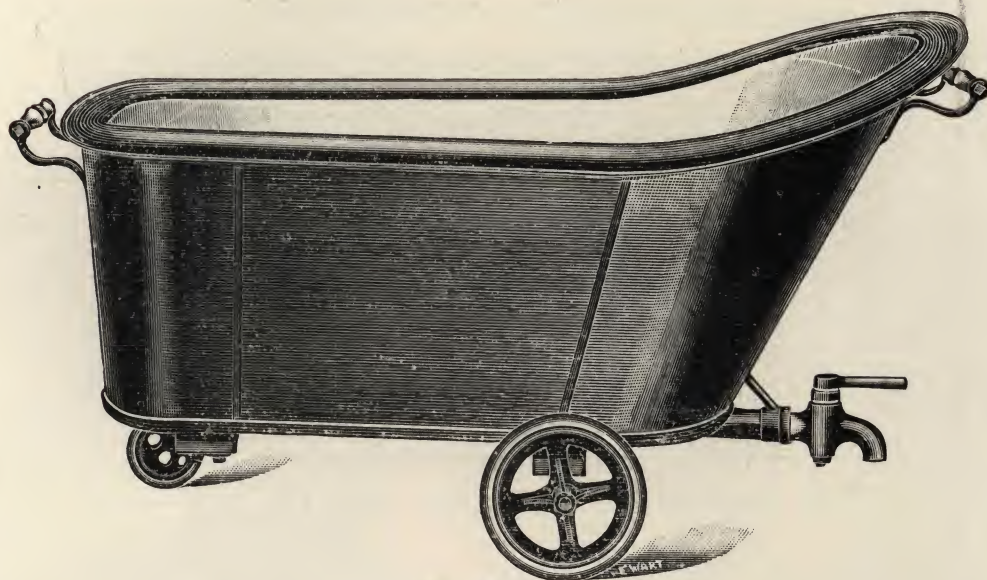
Modifications may be made to dimensions and shape of Bath at proportionate prices.



# Ewart's Hospital Baths.

## Ewart's "Nightingale" Hospital Bath.

Taper sides, broad bead  $2\frac{1}{2}$  inches wide, fully rounded inside and out without exposed edges, and so placed that half the bead projects over the inside of the Bath to prevent splashing. Handle at each end with oak bar. Mounted on three wheels with india rubber tyres. High back, flat bottom, but hollowed to sides and ends. Waste cock under wide end. Fitted with gun metal cock,  $1\frac{1}{2}$  inches diameter, with lever handle. Enamelled best finish hand polished white inside, light green outside.



No. 49.

### DIMENSIONS.

Length over all outside handles.	Length inside under bead, measuring flat.	Width inside at head.	Width inside at toe.	Total height at back.	Depth inside.
Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
60	49	24	20	32	20

### PRICES.

Copper.			Stout Zinc or Galvanized Iron.		
£	s.	d.	£	s.	d.
13	0	0	8	14	0
13	13	0	9	2	0

If made exactly as above in all respects but 6 inches longer ...

If Copper Bath bright tinned and planished inside instead of enamelled—

Extra ... £0 15 0

The shape of the roll may be altered to suit special requirements at slightly increased prices.

This Bath is also made with four wheels and drag handle or to any shape or finish, prices quoted on receipt of details.

# Ewart's Hospital Baths.

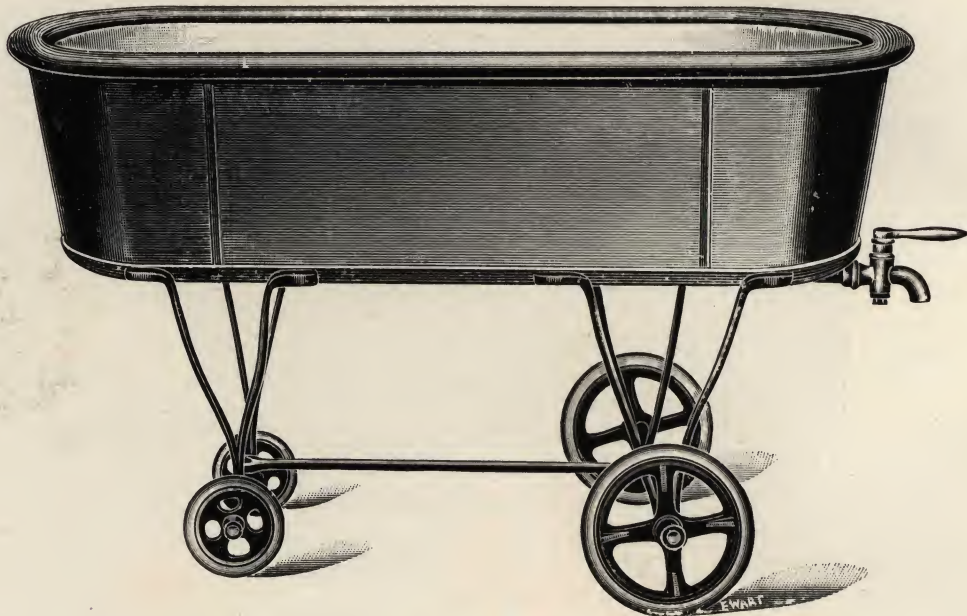
## Ewart's "Laura" Hospital Bath.

(For Children's Ward.)

Specially designed for use in Children's Wards. Mounted on light, strong iron frame and four wheels with Rubber tyres. Bottom rounded to sides and ends. Sides parallel. Rounded head of improved design, preventing risk of splashing.

The usual pattern is 31 inches high over all, but Baths can easily be made to the height of the cot. The "Laura" is an ideal Bath for bathing children.

Enamelled second finish white inside and dark green outside. Waste cock,  $\frac{3}{4}$  inch.



No. 50.

### DIMENSIONS.

Length over all. Inches.	Length inside under head. Inches.	Width inside. Inches.	Total Height, Inches.	Depth inside. Inches.
51	48	18	31	13

### PRICES.

Length over all. Inches.	Length inside under bead. Inches.	Width inside. Inches.	Total Height. Inches.	Depth inside. Inches.	Copper.			Galvanized Iron.			
					£	s.	d.	£	s.	d.	
51	48	18	31	13	9	3	6	...	6	2	6
If made with bead outside and flat bottom			...	...	8	2	6	...	5	8	6

If Copper Bath bright tinned and planished instead of enamelled—

Extra ... **£0 15 0**

The shape of the roll may be altered to suit special requirements without extra charge.  
The "Laura" Hospital Bath can also be fitted with a drag handle, price on application.



# Ewart's Travelling Baths.



No. 51.

## The Popular Travelling Bath.

Lid supported by steel bars to make secure.

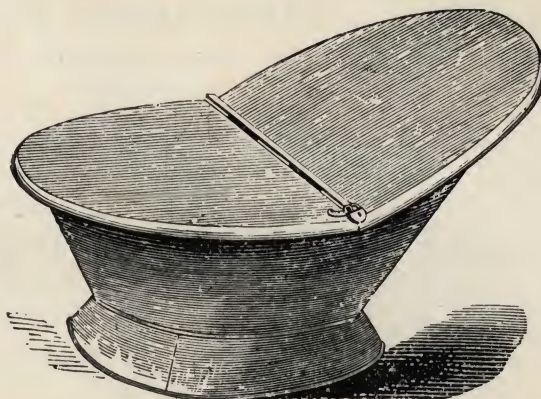
Fitted with loose lining with handles and complete with padlock.

Japanned white inside and oak outside.

Size, 31 inches long inside, 21 inches wide, and 13 inches deep.

### PRICES.

Made of Tinned Iron	...	...	£	s.	d.
Made of stout Copper	...	...	2	0	0
Extra, if fitted with strap	...	...	4	6	0
			0	7	6



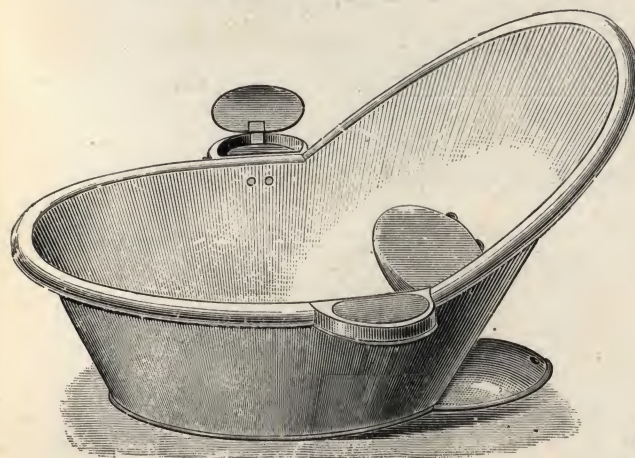
No. 52.

## Travelling Hip Bath.

Made of strong Tinned Iron, Japanned oak and white.

The lid is hinged and arranged to fit securely without a strap ... .. Price 35/-

Complete with padlock.



No. 54.

## Ewart's Combination Sitz Bath.

Made of strong Tinned Iron, Japanned white marble inside and oak outside.

With loose seat and arms covered for use as soap dish.

Sizes, outside bead across the top 45 inches, outside of arm rests 34 inches, height in front, 12 inches, height at back, 21 inches ... .. Price 32/-

If made of hardened Copper enamelled best finish inside and green marble outside Price £3 13 6

The Combination Sitz Bath can be used as a Hip, Sponge, or Foot Bath, and is perhaps the best value for the price of any bath that has been invented.

## Suspending Shower Head.

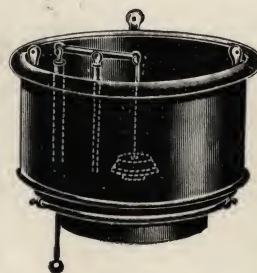
No. 53.

To hang from Bathroom ceiling.

Sizes, 19 inches diameter, 9½ inches deep. Japanned. Fitted with lid.

### PRICES.

	£	s.	d.
Made of Galvanized Iron	...	...	2 5 0
Made of Copper	...	...	3 12 0



No. 53.

## Toilet Set. No. 55.



Can.

8 quart.

Foot Bath.

20 ins. long inside

Pail.

10½ in. diam.  
12 in. high.

Made of Tinned or Galvanized Iron, Japanned oak or any plain colour ... .. Price £1 0 0

Ditto, Enamelled white, ornamented with lines or flowers ... .. Price £1 8 0

If made of Copper, enamelled and tastefully decorated ... .. Price £2 16 0

Larger or smaller sizes made to order.



# Ewart's Hip and Sponge Baths.

TINNED IRON.

ZINC.

COPPER.

Enamelled White inside and Oak outside.

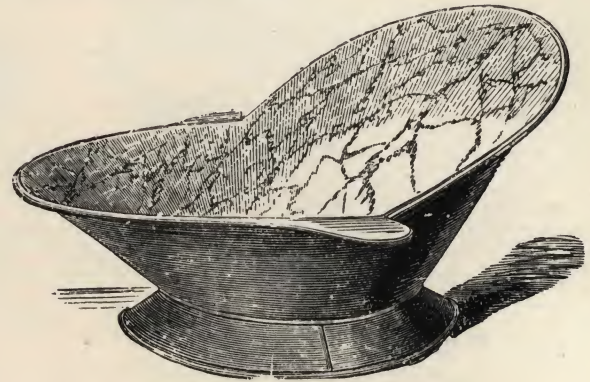


No. 56.

"Athenian" Hip Bath.

## PRICES.

Inches.	Strong Tinned Iron.			Stout Zinc.			Copper.		
	£	s.	d.	£	s.	d.	£	s.	d.
33	0	18	6	1	1	0	2	12	0
35	1	1	0	1	2	6	2	13	0
37	1	5	6	1	4	0	3	2	6

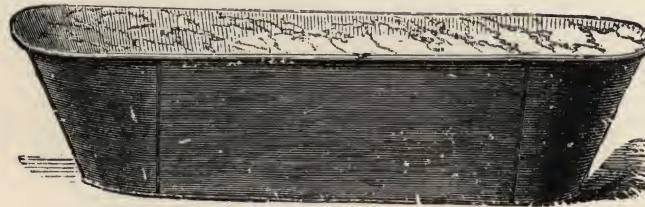


No. 57.

"Oxford" Hip Bath.

## PRICES.

Inches.	Strong Tinned Iron.			Stout Zinc.			Copper.		
	£	s.	d.	£	s.	d.	£	s.	d.
38	1	1	6	1	2	6	2	14	6
40	1	4	6	1	4	0	2	19	6
44	1	10	0	1	5	6	3	8	0



No. 58.

Equal-ended Long Baths. (Beaded).

## PRICES.

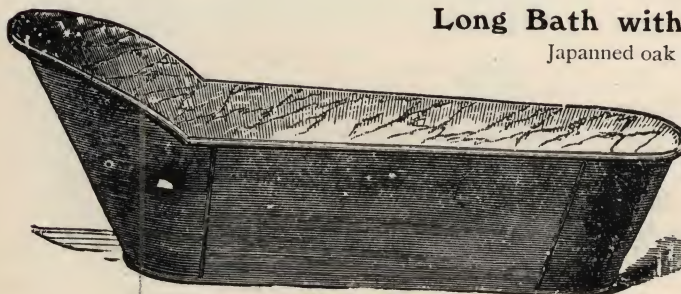
Inches.	Strong Tinned Iron.			Inches.	Stout Zinc.			Inches.	Copper.		
	£	s.	d.		£	s.	d.		£	s.	d.
26	0	12	0	..	..	..	..	26	1	19	0
32	0	14	6	..	..	..	..	32	2	7	6
34	0	17	6	38	0	19	0	34	2	10	6
38	1	0	0	42	1	1	0	38	2	16	6
41	1	2	6	48	1	8	6	41	3	2	6
48	1	10	0	54	1	10	6	48	3	15	6
54	1	14	6	60	1	13	6	54	4	9	0
59	1	18	6	66	1	16	6	59	4	17	6

Cheap Long Baths with wired edge.

No. 59.

## PRICES.

Inches.	Strong Tinned Iron.		
	£	s.	d.
26	0	10	0
30	0	12	6
36	0	15	6
39	0	18	0



No. 60.

Long Bath with Back (Taper).

Japanned oak and white.

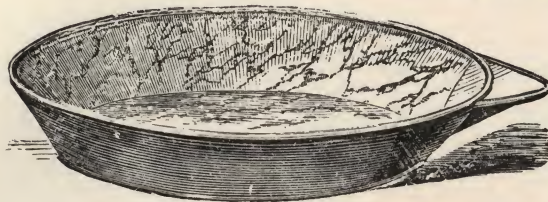
## PRICES. No. 60.

Length. Inches.	Strong Tinned Iron.			Inches.	Stout Zinc.			Inches.	Copper.		
	£	s.	d.		£	s.	d.		£	s.	d.
24	0	14	6	..	..	..	..	24	2	1	0
30	0	17	0	30	1	5	6	30	2	5	6
36	1	3	0	36	1	3	6	36	2	10	6
42	1	5	6	42	1	11	0	42	3	1	0
48	1	12	6	48	1	13	6	48	3	15	6
54	1	17	6	54	1	17	0	54	4	5	0
60	2	4	0	60	2	0	6	60	4	17	6
66	2	8	6	66	2	0	6	66	5	11	6



# Ewart's Sponge and Foot Baths.

Enamelled White inside and Oak outside.



No. 61.

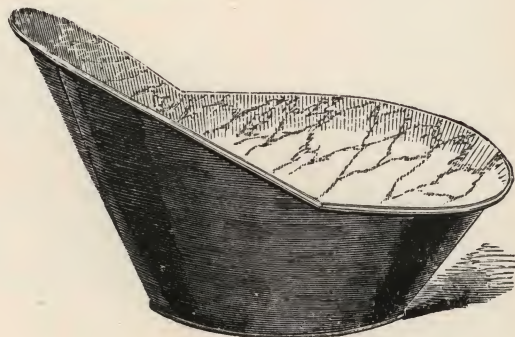
## Improved Sponge Baths.

### PRICES.

Inches.	Strong Tinned Iron.	Zinc.	Copper.
	£ s. d.	£ s. d.	£ s. d.
32 ...	0 19 0	0 19 0	2 4 0
36 ...	1 1 0	1 0 6	2 11 0
40 ...	1 3 6	1 2 6	3 0 0

### Cheap Sponge Bath.

With wired top, size 36 inch, Tinned Iron ... Price 15/6

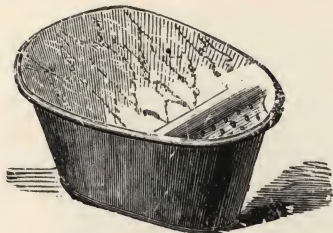


No. 62.

## Sitz Bath.

### PRICES.

Inches.	Strong Tinned Iron.	Copper.	Inches.	Zinc.
	£ s. d.	£ s. d.		£ s. d.
33	0 17 0	2 1 0	29	0 18 6
37	0 19 6	2 8 0	32	1 0 6
40	1 3 6	2 14 6	35	1 2 0

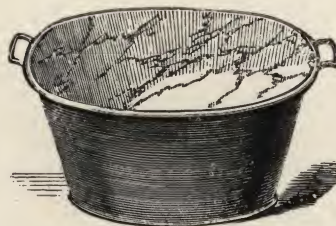


No. 63.

## Improved Foot Bath.

With foot rest and soap tray.

Made of strong Tinned Iron ... Price 10/-



No. 64.

## Oval Foot Baths.

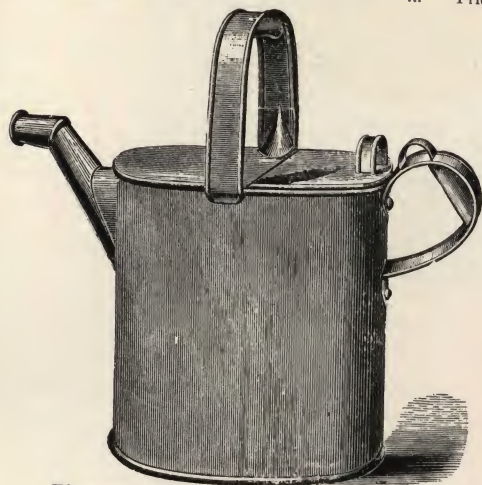
### PRICES.

Made of strong Tinned Iron.  
23 in., 10/6 20 in., 9/6 18 in., 8/-

### Cheap Foot Baths.

No. 65.

With wired top, Tinned Iron and Japanned oak and white.  
21 in., 8/6 19 in., 7/6 16 in., 6/-



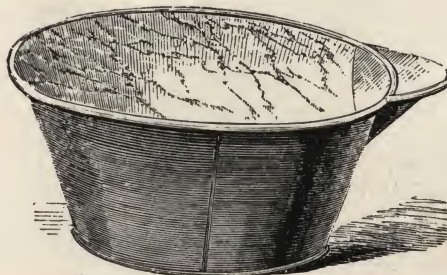
## Ewart's Toilet Cans.

Copper Cans recommended as not likely to need repairing in a lifetime.  
All Cans coated with pure Tin inside.

### PRICES.

Tinned Iron or Zinc Japanned.	Copper Polished.
3 quarts 3/6	9/-
4 " 4/-	9/6
6 " 4/6	11/6
8 " 5/6	13/-
10 " 6/6	15/-
12 " 8/-	17/-

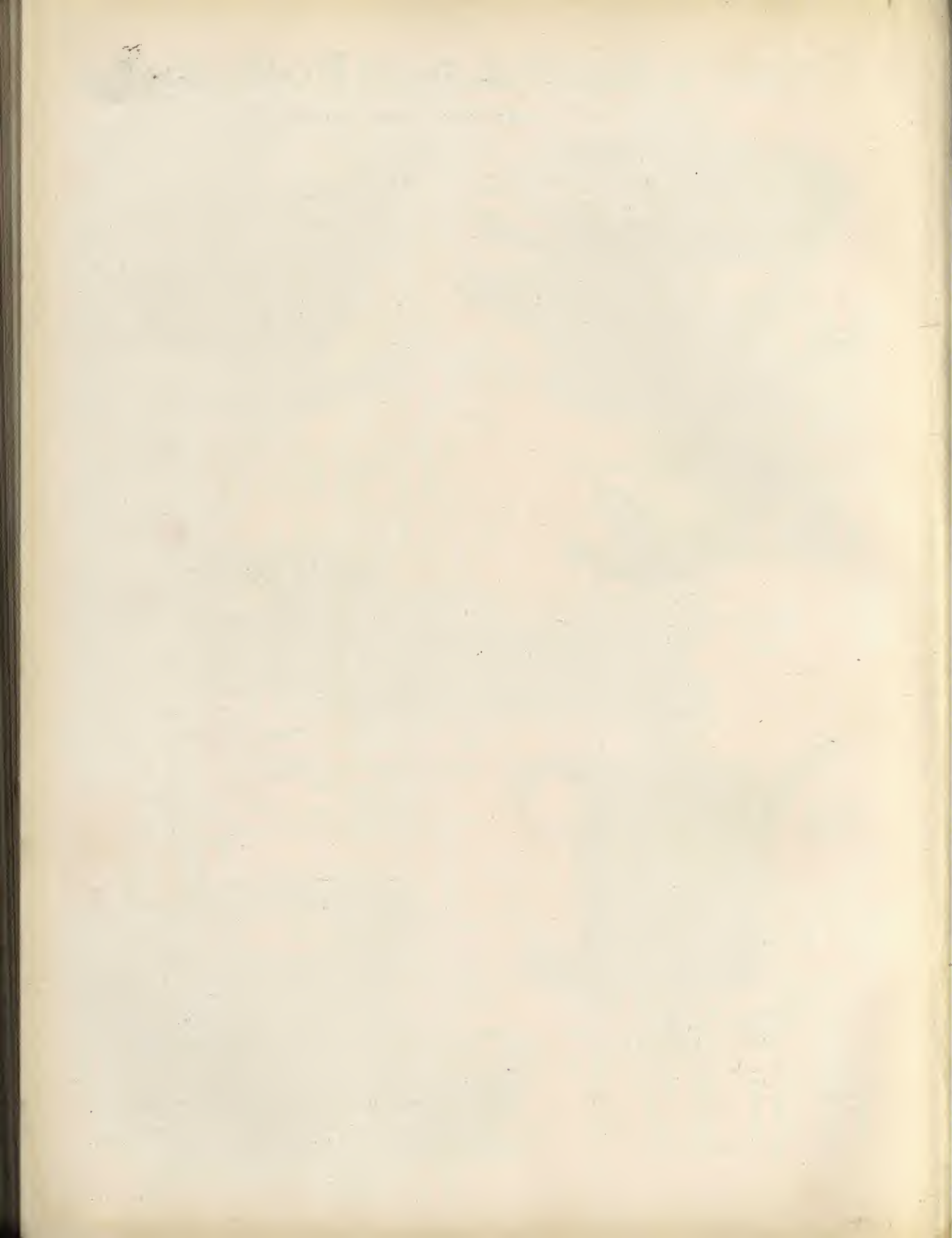
Larger or smaller sizes made to order.



No. 66.

## Ewart's Round Nursery Bath.

Adaptable as Nursery or Deep Sponge Bath.  
Made of Tinned Iron or Zinc. Size, 27 in. diameter, 12 in. deep.  
Price 19/6





ESTABLISHED  
1834.

19 GOLD MEDALS  
and AWARDS.

# EWART'S LAVATORIES.



Nothing adds so much to the character of the Bathroom as a Lavatory of artistic design and proportion.

This feature, combined with the most modern sanitary improvements, will be found in the Ewart Lavatories.

---

**EWART & SON Limited**  
**346, 348, 350, Euston Rd. LONDON N.W.**

Telephone Nos. 2570 }  
2571 } North (3 lines.)  
2572 }

Telegrams "Geyser, London."

# Ewart's Improved Sanitary Lavatories.

No. 137.

In best quality Porcelain enamelled Fire-clay.

## DIMENSIONS.

Diameter of Basin, 30 inches  $\times$  26 inches. Height, 30 inches.

A Lavatory of elegant and pleasing outline, exceptionally durable and of best finish throughout. It embodies the most modern scientific sanitary principles, and is unsurpassed as an example of high grade Sanitary Ware.



Oval basin of best fire-clay, enamelled with the finest white porcelain glaze inside and outside.  $\infty$  Fitted with  $\frac{1}{2}$ -inch hot and cold quarter-turn taps with china-covered lever handles, supply tubes, floor plates and connections. Exposed and removable standing sanitary quick waste and overflow,  $1\frac{1}{2}$ -inch full-way trap with cleansing screw, anti-syphon connection, and discharge pipe to floor. All fittings of selected Brass, highly finished and Nickel-plated; mounted on a Nickel-plated Brass Stand.

## PRICES.

							£	s.	d.
No. 137.	Complete as illustrated, but without sole plate	...	...	...	...	...	12	0	0

## EXTRAS.

Sole plate, in white Sicilian marble	...	...	...	...	...	...	3	0	0
„ „ in white porcelain glazed fire-clay	...	...	...	...	...	...	1	10	0



# Ewart's Improved Sanitary Lavatories.

No. 121.

## Ewart's "Santoy" Lavatory

A combination of artistic merit and efficiency at low cost.

### DIMENSIONS.

Size of Basin, 27 inches × 19 inches. Height, 34 inches to top of back.



Basin of best quality white glazed Porcelain, with back and sides, and large deep bowl, recessed waste and overflow. Fitted with Nickel-plated Brass  $\frac{1}{2}$ -in. hot and cold screw-down taps, plug waste, chain and stay, and mounted on a Nickel-plated Brass Stand.

### PRICES.

	£	s.	d.
No. 121. Complete as illustrated, 27 in. × 19 in....	3	17	6

### EXTRAS.

Nickel-plated Brass Towel Rails	0	10	0
" " " Supply Tubes, Waste Pipe and Trap, to floor line	2	7	6
" " " Quarter-turn Taps with china-covered lever handles	0	3	6
Bevelled edge Mirror in white enamelled frame, 31 in. × 16 in.	0	18	6

# Ewart's Improved Sanitary Lavatory.

No. 134.

In best quality white glazed Porcelain.

## DIMENSIONS.

Diameter of Basin, 30 inches X 26 inches. Height, 30 inches.

**HANDSOME. DURABLE. SANITARY. REQUIRES NO ATTACHMENT TO WALLS.**

All supply and waste pipes may, if desired, be completely concealed inside the specially constructed pedestal.



Oval basin of improved design with capacious bowl, mounted on massive pedestal of best quality white glazed Porcelain. Fitted with  $\frac{1}{2}$ -inch hot and cold quarter-turn taps with china-covered lever handles, concealed standing quick waste and overflow, complete with unions; all fittings of selected Brass, highly finished and Nickel-plated.

## PRICES.

								£	s.	d.
No. 134, Complete as illustrated	...	...	...	...	...	...	...	6	7	6
No. 134B, with exposed standing waste	...	...	...	...	...	...	...	6	6	0

## With BASIN and PEDESTAL in white glazed FIRE-CLAY.

No. 139, Complete as above, but in white glazed fire-clay, with full-way trap, discharge and supply pipes and open waste, all of selected Brass Nickel-plated	...	...	...	...	...	...	...	9	15	0
---	-----	-----	-----	-----	-----	-----	-----	---	----	---

If fitted with Capstan head screw-down taps, **3/6** less per Lavatory.

*Taps as illustrated always sent unless otherwise ordered.*



# Ewart's Improved Sanitary Lavatories.

No. 133.

In best quality white glazed Porcelain.

## DIMENSIONS.

Diameter of Basin, 30 inches  $\times$  26 inches.

Height, 30 inches.



Oval basin of improved design with large and deep bowl, mounted on massive pedestal, all made of best quality white glazed Porcelain. Fitted with  $\frac{1}{2}$ -inch hot and cold screw-down taps with unions, plug waste and union, chain and stay; all fittings of selected Brass, highly finished and Nickel-plated.

## PRICES.

								£	s.	d.
No. 133, Complete as illustrated ...	...	...	...	...	...	...	...	5	7	6
<b>Extra</b> for quarter-turn taps with china-covered lever handles	...	...	...	...	...	...	...	0	3	6

# Ewart's Improved Sanitary Lavatories.

## Ewart's "Isis" Lavatory.

WITH BEVELLED MIRROR AND TILED BACK.



MADE IN TWO SIZES.

No. 1. Size of Basin, 27 in. × 19 in.

No. 2. Size of Basin, 25 in. × 17 in.

Total Height, 67 inches.

A Lavatory of exceptional value. Best quality and finish throughout.

Basin of best quality white glazed Porcelain, with recessed waste and overflow. Fitted with  $\frac{1}{2}$ -in. hot and cold taps, plug waste and union, chain and stay of selected Gun-metal, highly finished. Mounted on a Cast-iron Stand, with tiled back and large bevelled edge mirror, 12 in. × 15 in.

### PRICES.

									£	s.	d.
No. 1.	As illustrated	...	...	...	...	...	...	...	3	4	0
No. 2.	As illustrated	...	...	...	...	...	...	...	3	2	0

### EXTRAS.

Iron Work enamelled two coats	...	...	...	...	...	...	...	0	12	0
Nickel-plated Fittings	...	...	...	...	...	...	...	0	3	0



# Ewart's Improved Sanitary Lavatories.

No. 122.

## Special Feature.

A Cast-iron Stand,  
enamelled with the  
finest white Porcelain,  
and fitted with a best  
quality Basin of white  
glazed Porcelain, with  
a large Bowl.

MADE IN ONE SIZE  
ONLY.

## Dimensions.

Size of Basin, 27 in. x 19 in.

Size of Bowl, 21 in. x 13 in.

Total height, 48 in.



Basin of best quality white glazed Porcelain, with recessed waste and overflow. Fitted with  $\frac{1}{2}$ -in. hot and cold taps, plug waste and union chain and stay of selected Gun-metal, highly finished. Mounted on Cast-iron stand with high back and shelf brackets, all enamelled with the finest white Porcelain.

## PRICES.

No. 122, complete	...	...	...	...	...	...	£	s.	d.
No. 122 M, complete with Iron Stand, fine cast, and painted one coat	...	...	...	...	...	...	4	12	6
							3	3	0

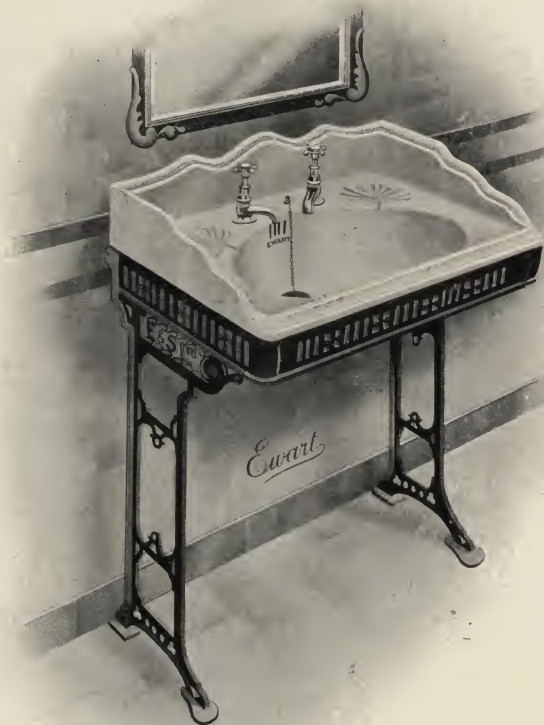
## EXTRAS.

Nickel-plated fittings	...	...	...	...	...	...	0	3	0
No. 51, Nickel-plated Brass Tumbler Holder	...	...	...	...	...	...	0	5	6
No. 66, Nickel-plated Brass Tooth Brush Holder	...	...	...	...	...	...	0	10	0

# Ewart's Improved Sanitary Lavatories.

## Ewart's "Cadens" Lavatory

These Lavatories are of exceptional value, thoroughly reliable, and of best quality and finish throughout.



### MADE IN TWO SIZES.

Rectangular Basin of best quality white glazed Porcelain, with recessed waste and overflow. Fitted with polished Gun-metal hot and cold taps, plug waste chain and stay. Mounted on an artistic Cast-iron stand.

### PRICES.

	£	s.	d.
No. 1. With Lavatory Basin 27 in. x 19 in. ... ..	2	4	0
No. 2. With Lavatory Basin 25 in. x 17 in. ... ..	2	2	0

### EXTRAS.

Iron Stand, enamelled two coats ... ..	0	8	0
Nickel-plated Fittings ... ..	0	3	0
Bevelled edge Mirror in white enamelled frame, 29 in. x 14 in. ... ..	0	16	0
<b>Less</b> if Basin is supplied without back and sides ... ..	0	2	0



# Ewart's Improved Sanitary Lavatories.

No. 131.

**Strong and Durable.**

**Specially designed for heavy wear.**

**MADE IN ONE SIZE  
ONLY.**

## Dimensions.

Size of Basin, 27 in. × 19 in.

Size of Bowl, 21 in. × 13 in.

Total height, 35 in.



Rectangular Basin of best quality white glazed Porcelain, with recessed waste and overflow. Fitted with polished Gun-metal hot and cold taps, plug waste, chain, and stay. Mounted on heavy Cast-iron frame and legs enamelled with the finest white porcelain.

## PRICES.

	£	s.	d.
No. 131, complete ... ..	3	16	6
No. 131 M, complete with Iron Stand, fine cast and painted one coat ... ..	2	10	6

## EXTRAS.

Nickel-plated fittings ... ..	0	3	0
No. 131 M, enamelled two coats ... ..	0	10	0
<b>Less</b> if Basin is supplied without back and sides ... ..	0	2	0

# Ewart's Improved Sanitary Lavatories.

On Brackets.

## The "Fons."

Rectangular.

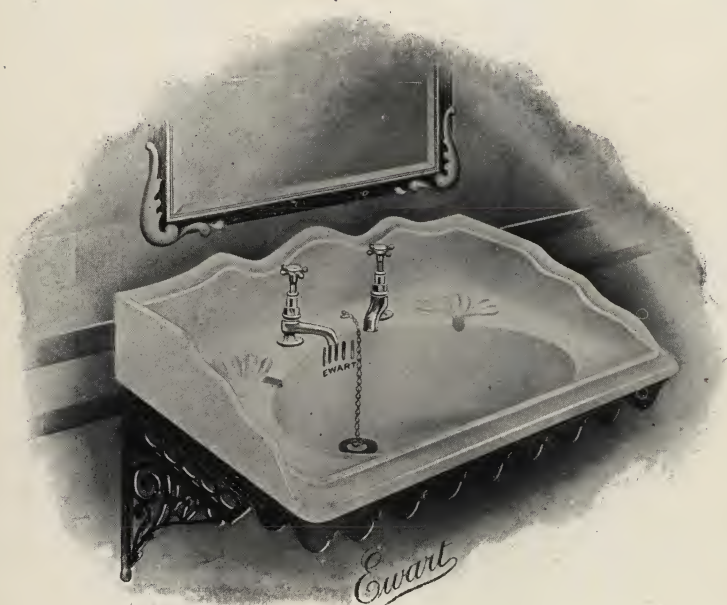
Basin of best quality white glazed Porcelain, with back and sides. Hot and cold taps, plug waste, chain and stay of polished Gun-metal. Iron frame and brackets fine cast.

### PRICES.

	£	s.	d.
No. 1 with lavatory basin 27 in. × 19 in. ...	1	18	0
No. 2 with lavatory basin 25 in. × 17 in. ...	1	16	0
No. 3 with lavatory basin 22 in. × 16 in. ...	1	14	0

### EXTRAS.

Brackets enamelled two coats ...	0	4	0
Nickel-plated fittings ...	0	3	0
Less if basin supplied without back and sides	0	2	0



## The "Roma"

Angular.

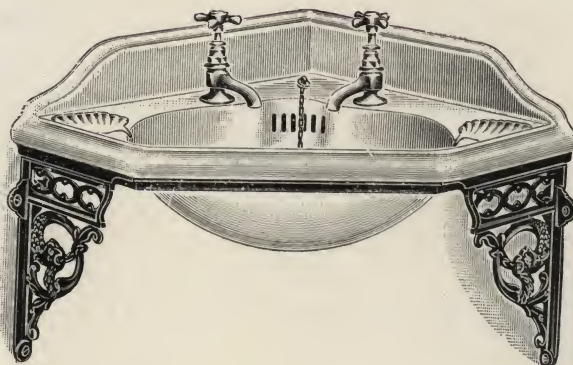
Basin of best quality white glazed Porcelain, with back and sides. Hot and cold taps, plug waste, chain and stay of polished Gun-metal. Iron frame and brackets fine cast.

### PRICES.

	£	s.	d.
No. 1 with lavatory basin 27 in. × 20 in. ...	2	2	0
No. 2 with lavatory basin 24 in. × 18 in. ...	1	16	0

### EXTRAS.

Brackets enamelled two coats ...	0	4	0
Nickel-plated fittings ...	0	3	0
Less if basin supplied without back and sides	0	2	0





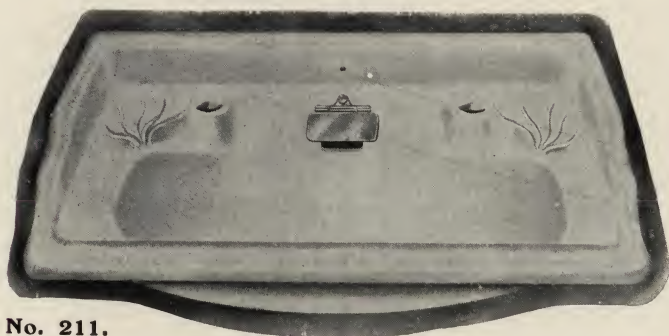
# Ewart's Lavatory Basins

## Without Fittings.

Made of best quality white glazed porcelain earthenware, with large bowls and recessed wastes.



No. 210.



No. 211.



No. 212.



No. 213.

### No. 210.

Extra wide and deep bowl.  
Recessed separate overflow.

Size of Basin. inches.		Prices:			With Back and Sides.			Without Back and Sides.		
		£	s.	d.	£	s.	d.	£	s.	d.
27 × 19	...	1	3	0	1	3	0	1	1	0
25 × 17	...	0	19	6	0	19	6	0	17	6
22 × 16	...	0	16	0	0	16	0	0	14	0

### No. 211.

Designed without flat ledges and with carefully moulded sides. An important improvement on present sanitary practice, to allow easy cleaning.

Size of Basin. inches.		Prices:			With Back and Sides.			Without Back and Sides.		
		£	s.	d.	£	s.	d.	£	s.	d.
27 × 19	...	1	8	6	1	8	6	1	5	0
25 × 18	...	1	5	0	1	5	0	1	2	6
23 × 17	...	1	2	6	1	2	6	1	2	6

Fitted with open weir, combined overflow with nickel-plated cover.

### No. 212.

Designed for screwing to wall, dispensing with brackets and frame. Suitable for limited space.

Made in two patterns. Prices:

Size of Basin. inches.		With open weir, combined overflow with nickel-plated cover, as illustrated.			With ordinary pierced overflow.		
		£	s.	d.	£	s.	d.
25 × 13	...	1	2	6	0	15	0
22 × 12	...	...	...	...	0	12	0

### No. 213.

Angle Pattern.

Recessed separate overflow.

Size of Basin. inches.		Prices:			With Back and Sides.			Without Back and Sides.		
		£	s.	d.	£	s.	d.	£	s.	d.
27 × 20	...	1	4	9	1	4	9	1	2	6
24 × 18	...	0	19	9	0	19	9	0	17	6

### EXTRA.

Pair of polished gun metal hot and cold taps, plug waste chain and stay, for Basins No. 210 and 213 ... **10 0**  
 " " " 211 " 212 ... **10 6**  
 If Fittings are nickel-plated ... **3 0**  
 Always sent with 2 Tapholes unless ordered otherwise.

Larger or smaller sizes supplied.  
Prices on application.



# Ewart's Fireclay Sinks.

Clean.

Strong.

Durable.

## Ewart's "Portland" Sink.

Roll edged pattern with overflow.  
Prices do not include Fittings.

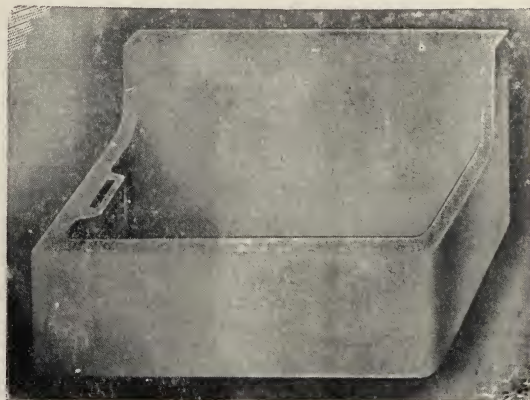


### Dimensions and Prices.

Outside size, inches.	Cane in and out.	Cane out, white in.	White in and out.
24 × 18 × 6 ...	11/-	14/9	18/6
27 × 18 × 6 ...	12/6	16/6	20/6
30 × 18 × 6 ...	13/3	18/3	22/9
36 × 24 × 7 ...	25/-	33/9	42/-
42 × 24 × 8 ...	33/3	45/3	56/6
36 × 21 × 11 ...	33/9	46/-	57/-
42 × 24 × 12 ...	49/-	66/3	82/9

## Ewart's "Regent" Sink.

With high back and overflow.  
Prices do not include Fittings.



### Dimensions and Prices.

Outside size, inches.	Cane in and out.	Cane out, white in.	White in and out.
24 × 20 × 18 ...	25/4	32/-	40/-
30 × 20 × 18 ...	31/8	40/-	50/-

### EXTRAS.

Painted iron Brackets ... ..	per pair	9/-
Porcelain enamelled iron Brackets ... ..	"	17/6
Fireclay Piers on legs, cane glazed ... ..	"	19/6
" " " white glazed ... ..	"	22/-

## Ewart's "Fitzroy" Sink.

Square shape. For Sculleries.  
Prices do not include Fittings.



### Dimensions and Prices.

Outside size, inches.	Cane in and out.	Cane out, white in.	White in and out.
20 × 15 × 5 ...	5/8	8/9	10/9
22 × 16 × 5 ...	6/9	10/3	12/6
24 × 16 × 5 ...	7/6	11/3	14/-
24 × 18 × 5 ...	8/3	12/6	15/9
27 × 18 × 5 ...	9/3	14/6	17/9
30 × 18 × 5 ...	10/6	15/9	19/9
32 × 20 × 5½ ...	13/6	20/9	25/9
36 × 20 × 6 ...	16/6	25/3	31/6
42 × 24 × 6½ ...	25/-	38/3	47/9
48 × 24 × 6½ ...	28/6	43/9	54/6

## Ewart's "Bedford" Sink.

Flat edge, with overflow.  
Prices do not include Fittings.



### Dimensions and Prices.

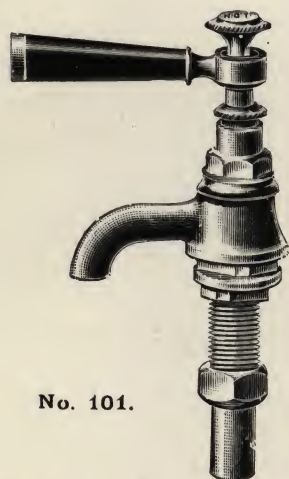
Outside size, inches.	Cane in and out.	Cane out, white in.	White in and out.
24 × 18 × 7 ...	11/9	15/9	19/9
36 × 20 × 7 ...	19/3	26/9	33/-
24 × 16 × 10 ...	14/9	20/3	25/6
24 × 18 × 10 ...	16/6	22/9	28/6
30 × 18 × 10 ...	20/6	28/6	35/-
36 × 20 × 10 ...	28/9	39/6	50/-

All prices above are for Best Quality only. For Second Quality (which are not stocked) and for which supply is not guaranteed, deduct 10 %. Angle Patterns and other sizes can be supplied. Prices on application.



# Ewart's Lavatory and Sink Fittings.

Made of heavy Brass or Gun Metal. Highly finished.

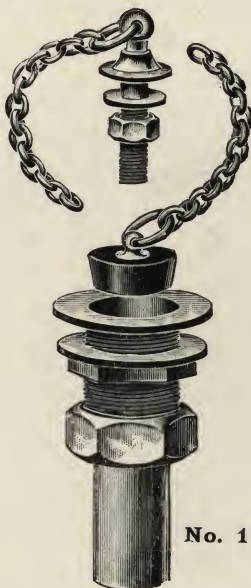


No. 101.

Brass Lavatory Tap, quarter turn, with china covered lever handle,  $\frac{1}{2}$ -in.

**Price:**

Polished Brass per pair **11/9**  
Brass, Nickel-plated „ **14/-**



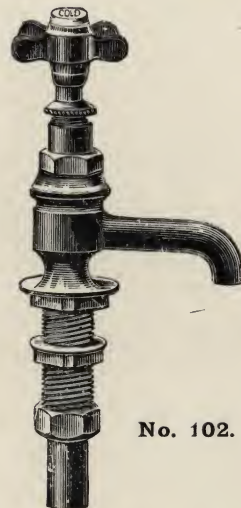
No. 151.

1 in. Lavatory Plug waste and union with fly nut and rubber stopper, chain and stay.

**Price:**

Polished Brass ... **1/10**  
Brass, Nickel-plated ... **2/6**

With slot for secret overflow **6d.** extra.

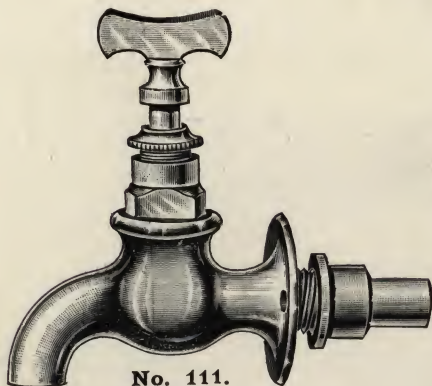


No. 102.

Gun Metal Lavatory Tap. Screw down with Capstan head,  $\frac{1}{2}$ -in.

**Price:**

Polished Brass per pair **8/3**  
Brass, Nickel-plated „ **10/6**



No. 111.

Bib Tap for Sink.  $\frac{3}{4}$ -in.

For fixing through wood, as illustrated.

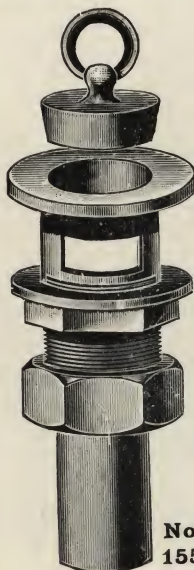
**Price:**

Gun Metal ... per pair **9/9**  
„ Nickel-plated „ **12/-**

With extra long shank and flanged back nut, for fixing through Fireclay Sinks.

**Price:**

Gun Metal ... per pair **11/6**  
„ Nickel-plated „ **13/9**

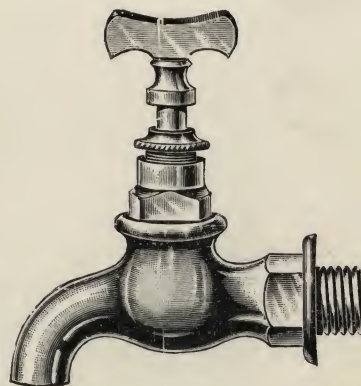


No. 155.

Sink Waste.

Grated washer and vulcanite plug, with slot for secret overflow, fly nut and union.

**Price:**  $1\frac{1}{2}$  in. 2 in.  
Gun Metal ... **5/3** **8/5**  
„ Nickel-plated ... **5/9** **8/9**



No. 112.

Bib Tap for Sink, screwed for iron.  $\frac{3}{4}$ -in.

**Price:**

Gun Metal ... per pair **8/-**  
„ Nickel-plated „ **10/3**

# Ewart's Bathroom Fittings.

Ewart's Bathroom Mirrors are made in two patterns and in various sizes. They are fitted with the finest plate glass, with handsome bevelled edge in white enamelled frames.

## Oval.



SIZES.			£	s.	d.
36 in. × 20 in.	2 in.	...	1	14	6
34 „ × 18 „	2 „	...	1	12	6
32 „ × 16 „	2 „	...	1	8	6

SIZES.			£	s.	d.
24 in. × 18 in.	2 in.	...	1	6	6
20 „ × 14 „	2 „	...	1	0	6

## Square.



SIZES.			£	s.	d.
36 in. × 24 in.	2 in.	...	1	7	6
31 „ × 16 „	2 „	...	0	18	6

SIZES.			£	s.	d.
29 in. × 14 in.	2 in.	...	0	16	0

Other patterns supplied at short notice to special sizes. Prices on application.  
Mirrors mounted in solid Nickel or Nickel-plated Brass Frames. Prices on application.



# Ewart's Lavatory Geysers.

## The "Gem."

Made throughout of stout hardened Copper, complete with automatic valve which prevents injury, lowering the gas automatically whenever the water is turned off.

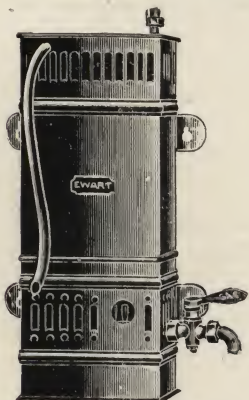
The small pilot light may be left burning, and it is then only necessary to open the hot water tap to obtain an instant supply of hot or boiling water, the gas automatically lighting fully up at the same time.

The "Gem" is complete in itself, formed on bracket ready for screwing to wall, and is supplied either with or without shampooing rose, as illustrated.

Diameter.	Height.	Gas supply.
7 in.	16 ins.	$\frac{1}{2}$ inch.

### PRICES.

	£	s.	d
Without sham- pooing rose ...	4	4	0
Nickel-plated	4	16	0
With shampooing rose, as illustrated	5	10	0
Nickel-plated	6	2	6



MADE IN ONE SIZE ONLY.



## The "Garnet."

The "Garnet" Lavatory Geyser is not intended to warm a bath. It is suitable for bedrooms and lavatories only.

Although so small and inexpensive, it produces good results, warming two quarts per minute.

Constructed throughout of stout hardened Copper, bright polished and lacquered on the exterior, tinned inside.

This pattern Lavatory Geyser will be found especially useful for warming a child's bath or sponge bath.

Width.	Depth.	Height.	Weight.	Gas supply.
$5\frac{1}{2}$ ins.	3 ins.	16 ins.	7 lbs.	$\frac{1}{2}$ inch.

### PRICE.

Lacquered Copper, £1 11 6 Nickel-plated, £2 0 0  
If fitted with pilot light, which may be left burning ready for use when next required, 8/- extra.

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Separate Lists (as under) are also published,  
and will be forwarded post free on application.

**Baths.** In Cast Iron Porcelain enamelled, Copper, Zinc or  
Tinned Iron.

**Geysers.** To heat by Gas, Oil or Fuel, for all purposes.

**Radiators.** Hot Water and Steam (self-contained), to heat  
by Gas.

**Circulating Boilers.** To heat by Gas or Fuel.

**Ventilators** and **Smoke Curing Appliances.**

**Towel Rails.** For connecting to circulations and to heat  
independently by Gas.

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# EWART'S

## Bath Room Fittings

— IN —

20 Gold Medals  
and Awards.

GLASS, CHINA,  
:: AND BRASS ::  
Heavily Nickel Plated.

Established  
1834.

TELEPHONE :

MUSEUM 2570

(4 Lines).

TELEGRAMS :

"GEYSER, LONDON."

EWART & SON, LTD.,

346-350, EUSTON ROAD,  
LONDON, N.W.



THE modern practice of fitting Lavatories in Bedrooms lightens labour and adds to the convenience and comfort of the room. Furnished with a suitable selection of EWART'S Bath Room Fittings its artistic merit and usefulness is greatly enhanced.

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines).



# TOWEL RACKS & PLATE GLASS SHELVES.



No. 126.

Plate Glass,  $\frac{1}{4}$  in. thick, 5 ins. wide.

	£	s.	d.
24 ins. long, with Brackets,	0	12	6
27     "                  "	0	13	6
36     "                  "	0	15	6

No. 126A.

Opalite,  $\frac{3}{8}$  in. thick, 5 ins. wide.

	£	s.	d.
24 ins. long, with Brackets,	0	13	6
27     "                  "	0	14	6
36     "                  "	0	17	6



No. 119.

With Rail which lifts to facilitate cleaning.

Plate Glass,  $\frac{1}{4}$  in. thick, 5 ins. wide.

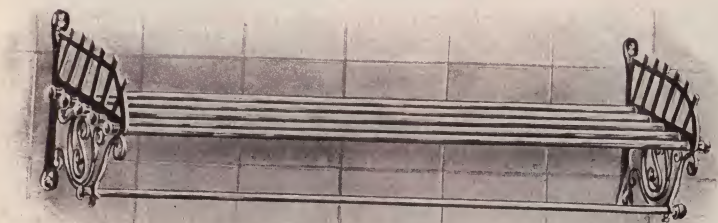
	£	s.	d.
24 ins. long, with Brackets,	0	19	6
27     "                  "	1	1	6



No. 123.

Plate Glass,  $\frac{1}{2}$  in. thick, 5 ins. wide.

	27 ins. long.	33 ins. long.
	£ s. d.	£ s. d.
Without Towel Rail	1 4 6	1 7 6
With Glass     "	1 7 6	1 11 6
" Nickel     "	1 7 0	1 11 0



TOWEL RACK.

No. 13.

20 ins. long.     6 ins. wide.

With Towel Rail     -     -     17/6

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines)

# TOWEL RAILS In Brass—Nickel Plated.

## No. 2.

Bar  $\frac{1}{2}$  in. diameter,

Projects from wall 3 ins.

Size	15 in.	18 in.	21 in.	24 in.	30 in.
Price	4/6	5/-	5/3	5/9	6/3

## No. 5.

Bar  $\frac{1}{2}$  in. diameter.

Projects from wall  $2\frac{1}{2}$  ins.

Size	15 in.	18 in.	21 in.	24 in.	30 in.
Price	2/6	3/-	3/6	4/-	4/6

Price in Ewart White finish,  
24 in., 8/6      30 in., 9/3

## No. 16.

Heavy Pattern. Bar  $\frac{3}{4}$  in. diameter.

Projects from wall 3 ins.

Size	24 in.	30 in.	36 in.	48 in.
Price	8/-	9/-	10/-	12/6

Price in Ewart White finish,  
36 in., 15/6      42 in., 18/6

## No. 1.

Bars  $\frac{5}{16}$  in. diameter, 14 ins. long.

Wall Plate 5 x 1 in.

No. 1.	3 Bars	-	-	-	7/-
No. 1A.	2 Bars	-	-	-	5/9
No. 1B.	1 Bar	-	-	-	4/9

## Heavy Pattern.

Bar  $\frac{1}{2}$  in. diameter, 15 ins. long.

No. 109.	1 Bar	-	-	-	5/6
No. 110.	2 Bars	-	-	-	8/9
No. 111.	3 Bars	-	-	-	12/-

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines).



# TOWEL RAILS

IN BRASS—NICKEL PLATED and CRYSTAL and OPAL GLASS BAR.

## No. 15.

Glass Bar  $\frac{3}{4}$  in. diameter.  
Projects from wall 3 ins.

Size	18 in.	24 in.	30 in.	36 in.
Price	6/6	7/9	9/-	10/6

## No. 15A.

Glass Bar 1 in. diameter.  
Projects from wall 3 ins.

Size	18 in.	24 in.	30 in.	36 in.
Price	8/6	10/-	11/6	14/-

The above Rails supplied in Opal Glass  
at same prices.



## No. 100.

48 ins. long. Diameter of Bar 1 in.  
Projects from wall 3 ins.

Brass Nickel Plated Rails	-	16/6
Crystal Glass Rails	-	17/6
Opal Glass Rails	-	17/6



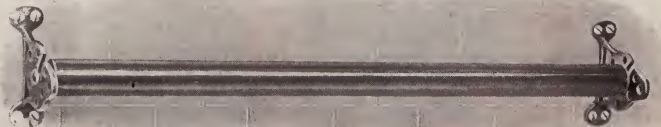
## No. 14.

### ROLLER TOWEL RACK.

Brass—Nickel Plated.

Bar 1 in. diameter. 18 ins. long.  
Projects from wall 2½ ins.

Price - 7/3



EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

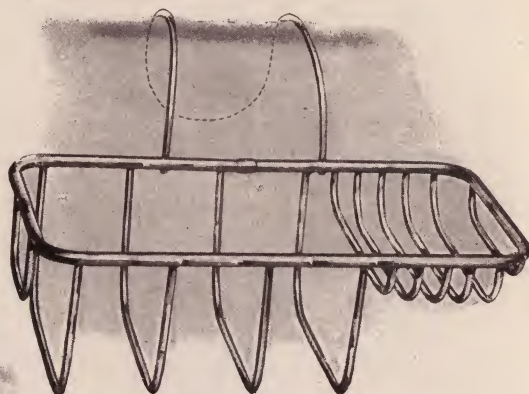
ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines).

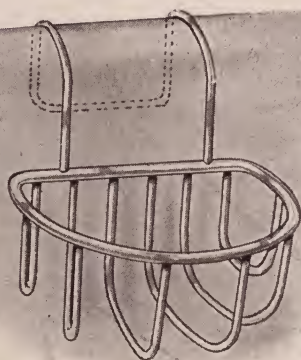
# SPONGE & SOAP HOLDERS. In Brass—Nickel Plated.



Length 8 ins. Width 6 ins.  
Depth 3½ ins.  
No. 48 - - 8/6



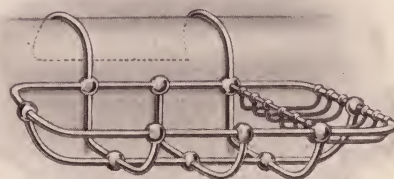
Length 10½ ins. Width 5½ ins.  
Depth 3½ ins.  
No. 45 - - 7/9  
Ewart White finish 12/-



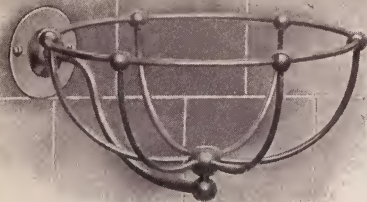
Length 6½ ins. Width 5 ins.  
Depth 3½ ins.  
No. 140 - - 5/9  
Ewart White finish 10/-



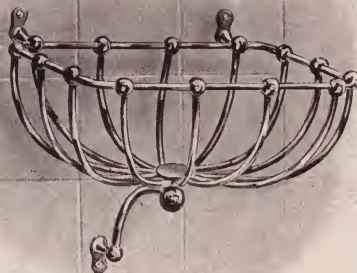
5½ ins. × 3½ ins.  
No. 147 - - 4/6  
Ewart White finish 8/6



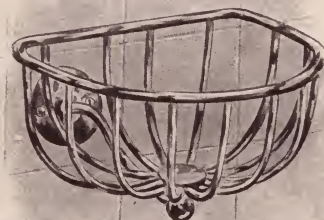
Length 11 ins. Width 6 ins.  
Depth 2½ ins.  
No. 83 - - 10/6



7½ ins. diameter. Depth 3½ ins.  
No. 49 - - 7/6



Length 10 ins. Width 7 ins.  
Depth 3½ ins.  
No. 43 - - 12/6



Length 8 ins. Width 6 ins.  
Depth 3½ ins.  
No. 48A - - 9/3  
Ewart White finish 14/6

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines)



# SOAP HOLDERS. In Brass—Nickel Plated.

TO STAND ON BASIN OR BATH.



6 ins. × 4 ins.  
No. 162 - - 3/3



5½ ins. × 3 ins.  
No. 159 - - 4/9  
Ewart White finish - 7/9

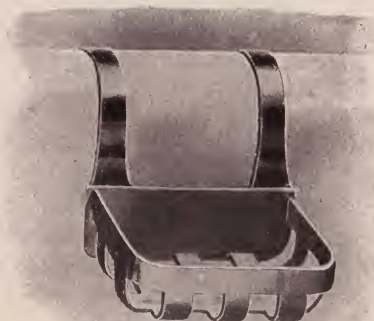


5½ ins. × 4 ins. With China Tray.  
No. 158 - - 7/6

TO HANG ON BATH RIM.



6 ins. × 3½ ins.  
No. 53 - - 4/-  
Ewart White finish, 7/6

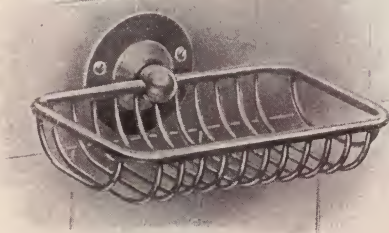


5 ins. × 3½ ins.  
No. 27 - - 9/6



6 ins. × 4 ins.  
No. 145 - - 3/9

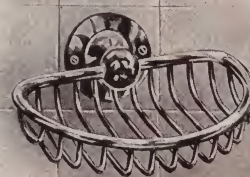
TO SCREW TO WALL.



6 ins. × 3½ ins.  
No. 154 - - 4/6  
Ewart White finish, 8/-



6 ins. × 3½ ins.  
No. 53A - - 4/-



5½ ins. × 3½ ins.  
No. 155 - - 4/6

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines).

# SOAP and BRUSH and COMB HOLDERS.

IN BRASS—NICKEL PLATED.



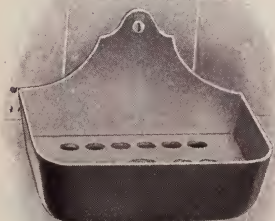
6 ins. × 4 ins.  
No. 149 . . . 4/-



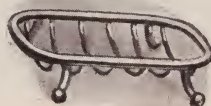
Length 10 ins. Width  $4\frac{1}{2}$  ins. Depth 1 in.  
No. 167 . . . 15/-



$5\frac{1}{2}$  ins. × 4 ins. With China Tray.  
No. 151 . . . 7/-



5 ins. ×  $3\frac{1}{2}$  ins.  
No. 29 . . . 8/3



$4\frac{3}{8}$  ins. × 3 ins.  
No. 161 . . . 4/-



4 ins. × 3 ins.  
No. 130 . . . 1/9



Length  $9\frac{1}{4}$  ins. Width  $3\frac{1}{4}$  ins. Depth 1 in.  
No. 165 . . . 6/3  
Ewart White finish . . . 10/9



Length  $9\frac{1}{4}$  ins. Width  $3\frac{1}{4}$  ins. Depth 1 in.  
No. 166 . . . 7/3

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines).

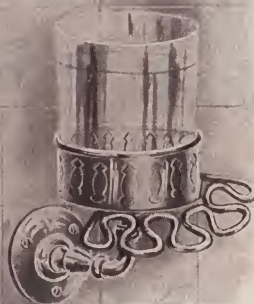


# TUMBLER and TOOTH BRUSH HOLDERS.

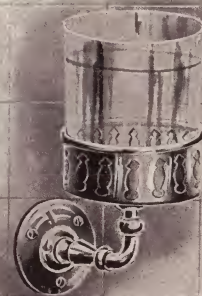
IN BRASS—NICKEL PLATED.



No. 31      Depth 1½ ins.      5/3



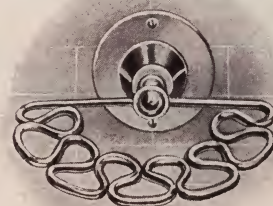
With Tooth Brush Rack.  
No. 84      -      -      4/6



No. 188      Depth 1½ ins.      3/3



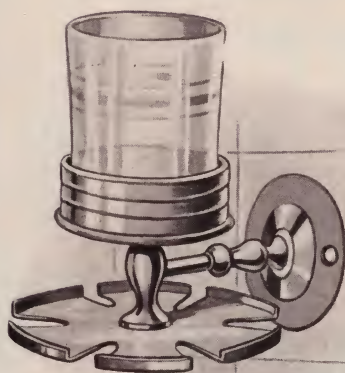
No. 191      With China Mug.      6/-



No. 98      For Five Brushes.      2/-



No. 187      Depth 1½ ins.      3/6  
Ewart White finish      7/-



No. 66      With Tooth Brush Rack.      6/6



No. 51      Depth 1½ ins.      4/6

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

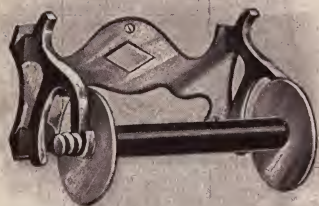
Telegrams: "Geyser, London."

ESTABLISHED 1834.

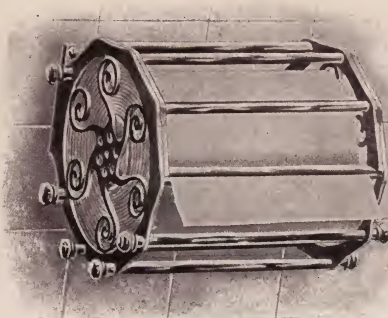
Telephone: Museum 2570 (4 Lines).

# TOILET PAPER and MATCH HOLDERS.

BRASS—NICKEL PLATED.



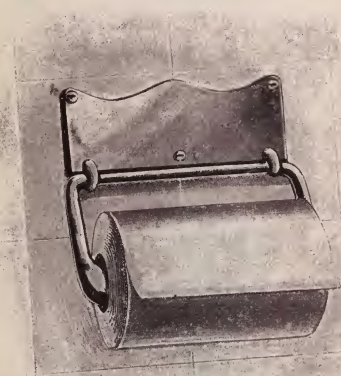
No. 234 . . . 4/9



No. 38 . . . 17/4



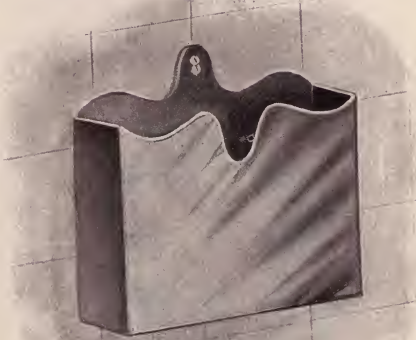
No. 236 . . . 4/6



No. 42 . . . 3/3

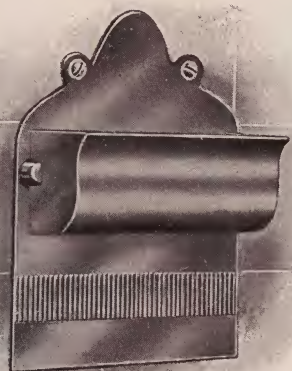


No. 74 . . . 1/3

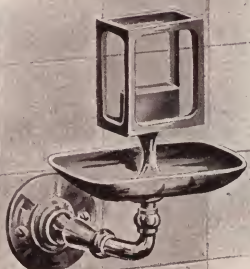


For Flat Sheets up to 5. x 7 ins.  
No. 37 . . . 7/3

ROLL PAPER HOLDERS TAKE STANDARD ROLLS UP TO 2,000 SHEETS.



No. 64 . . . 3/6



No. 30 . . . 4/9

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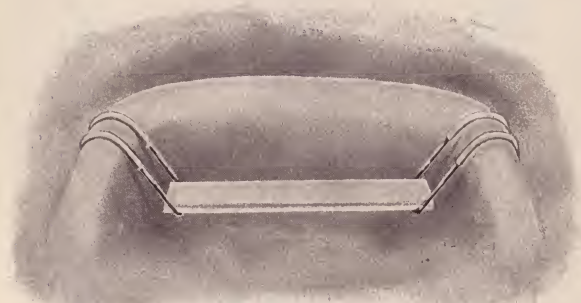
Telegrams: "Geyser, London"

ESTABLISHED 1834.

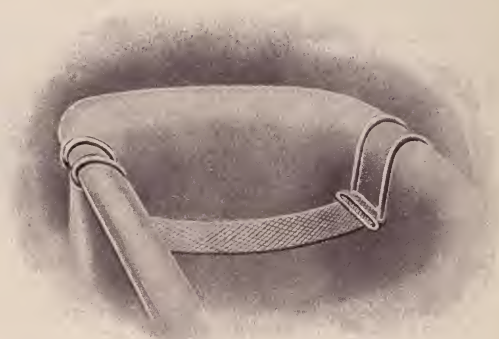
Telephone: Museum 2570 (4 Lines).



# BATH SEATS, HAT and COAT HOOKS, &c.



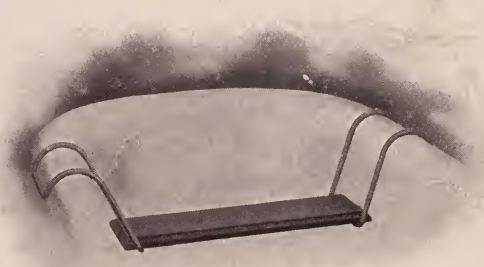
Ivory Finish.  
No. 129 - - - 20/6



Bath Seat or Head Rest.  
No. 132 - - - 7/9



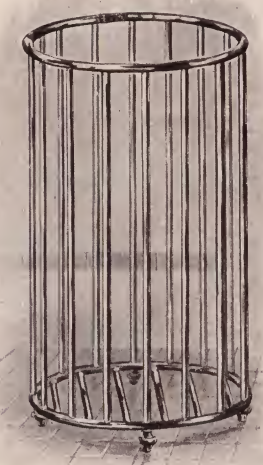
No. 52 - - - 2/2  
Ewart White finish 5/6



Polished Oak Seat.  
No. 128 - - - 6/6



No. 34 - - - 1/-



Soiled Towel Basket.  
No. 76 - - - 39/-



No. 33 - - - 2/-



No. 32 - - - 2/9

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

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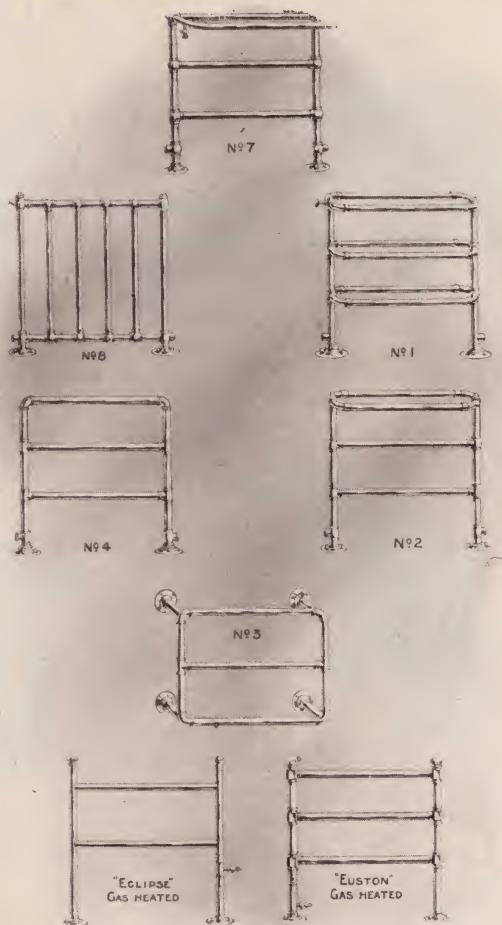
Telephone: Museum 2570-(4 Lines).

# EWART'S Improved HOT WATER TOWEL RAILS

For connection to Hot Water Pipes  
or to heat independently by Gas.

FOR BATHROOMS, BEDROOMS, &c.

EWART'S Improved Hot Water Towel Rails occupy little space, are easily fixed, requiring only connection to the hot water circulation generally existing in the Bath Room, ensuring a supply of dry and warm Towels which add so materially to the comfort of the Bath Room.



Design	Size	Brass. 1½-in. Tube.	Brass, nickel-plated. 1½-in. Tube.	Iron, painted.
No. 1	3 ft. 6 in. × 3 ft. 0 in.	£7 12 0	£8 10 0	Not supplied.
" 2	3 ft. 6 in. × 3 ft. 0 in.	5 14 0	6 5 6	£4 17 6
" 3	3 ft. 0 in. × 2 ft. 6 in.	4 4 0	4 13 0	Not supplied.
" 4	3 ft. 6 in. × 3 ft. 0 in.	4 4 0	4 13 0	£3 7 6
" 7	3 ft. 0 in. × 3 ft. 0 in.	4 19 0	5 14 0	Not supplied.
" 8	3 ft. 0 in. × 2 ft. 6 in.	7 7 0	8 8 0	Not supplied.

## GAS HEATED HOT WATER RAILS.

Where a hot water circulation is not available Ewart's Self-contained Gas Heated Hot Water Rails may be readily fixed at trifling cost.

Ewart's "Eclipse" Towel Rail, Brass—Nickel Plated	Price £3 10 0
" "Euston" Towel Rail, Brass—Nickel Plated	" 6 16 0

MADE TO SPECIAL DIMENSIONS TO ORDER.

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

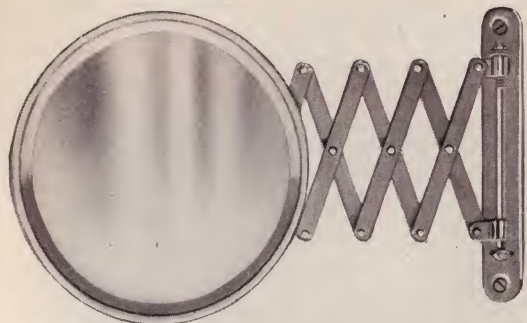
Telegrams: "Geyser, London."

ESTABLISHED 1834.

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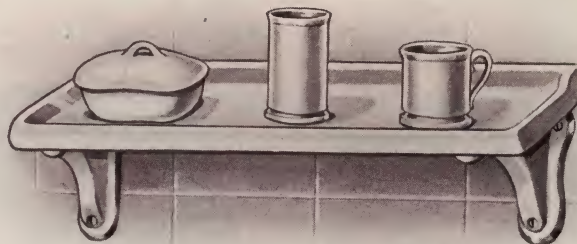


# VARIOUS BATHROOM ACCESSORIES.



No. 273. Shaving Mirror (Adjustable).

8 in. diameter	-	-	17/6
10 in.     ,,	-	-	19/6



China Shelf, with accessories.

Comprising Shelf, Mug, Vase, Soap Tray.

No. 150. Plain White	-	-	-	£0	18	0
„ 151. White and Gold	-	-	-	£1	16	6



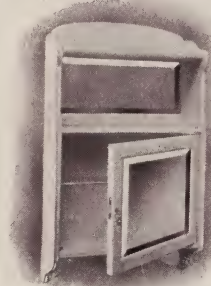
## BATH ROOM CABINETS.

X.L. Porcelain Finish.

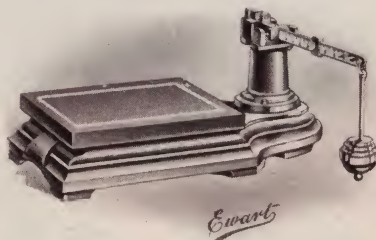
Interior lined with Opalite.

Fitted with plate glass shelves and nickelled fittings

Other sizes stocked. Prices on application.



No. 17. - - - 61/-  
Dimensions 24 x 15 x 6 3/4 ins.



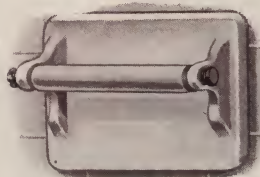
No. 10 - - - 70/6  
Dimensions 30 x 18 x 6 ins.

Bath Room Weighing Machine.  
Will weigh from 1 oz. to 20 stone.  
No. 22 - - - 22/6



Bath Room Seat.  
X.L. Porcelain Finish.  
Seat 18 x 12 inches.

No. 31 - - - 37/-



China Toilet Paper Holder.

No. 5 - - - 3/9



Bath Room Stool.  
X.L. Porcelain Finish.  
Seat 12 ins. diameter.

No. 30 - - - 22/-

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

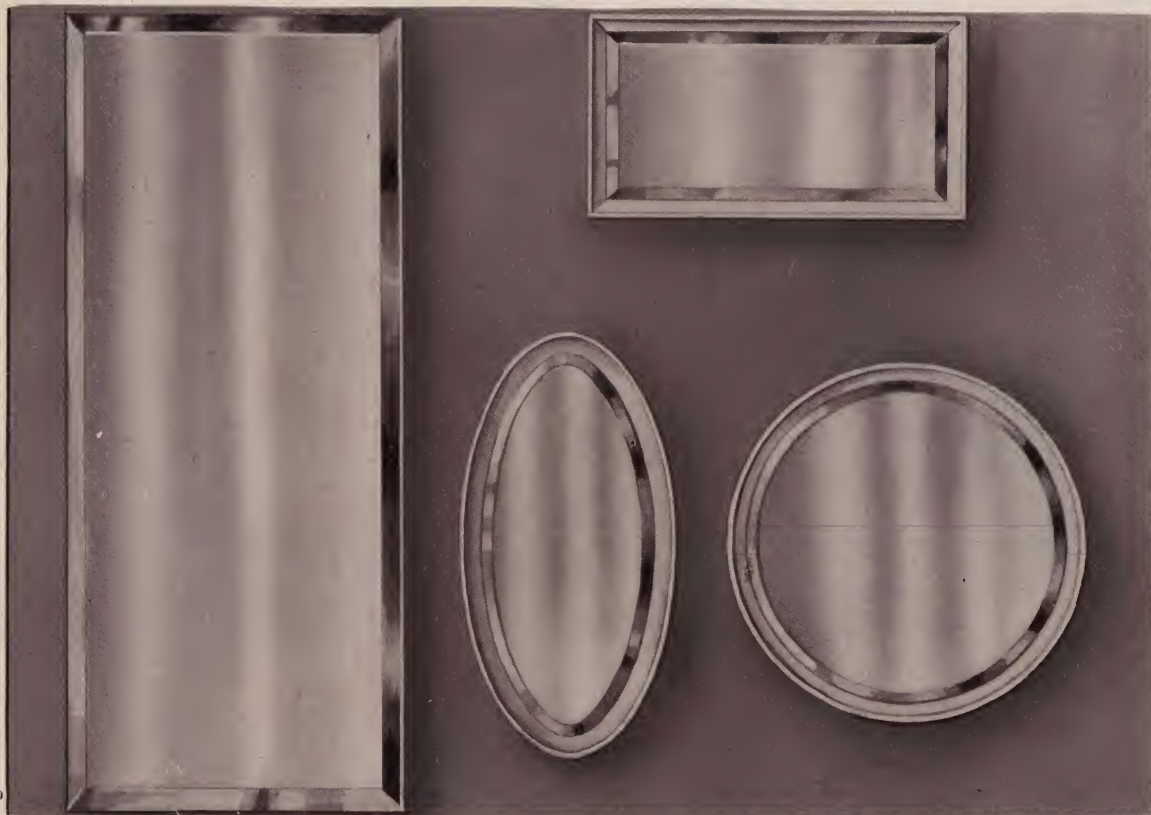
Telephone: Museum 2570 (4 Lines).

# EWART'S BATHROOM MIRRORS—With Frames.

Best quality silvered  $\frac{1}{4}$ -inch plate glass with  $\frac{3}{4}$  inch bevelled edge, mounted in 2 inch white enamelled frames with three-ply wood backs and eyes for hanging.

Made in various sizes—in three shapes, viz: Oval, Circular and Rectangular.

Dimensions are outside over the frames.



OVAL.				PRICES.				CIRCULAR					
No.	Size			£	s.	d.	No.	Size.			£	s.	d.
231	40 in. × 24 in.	...	...	1	18	6	240	16 in. diameter	...	...	0	19	6
233	36 in. × 20 in.	...	...	1	14	6	242	18 in. "	...	...	1	2	0
235	34 in. × 18 in.	...	...	1	12	6	244	21 in. "	...	...	1	5	0
237	32 in. × 16 in.	...	...	1	8	6	246	24 in. "	...	...	1	9	6
239	24 in. × 18 in.	...	...	1	6	6	248	26 in. "	...	...	1	12	6
241	20 in. × 14 in.	...	...	1	4	0	250	30 in. "	...	...	2	2	0
RECTANGULAR.													
No.	Size.			£	s.	d.	No.	Size.			£	s.	d.
232	40 in. × 28 in.	...	...	1	16	6	236	31 in. × 16 in.	...	...	1	10	0
234	36 in. × 24 in.	...	...	1	14	0	238	29 in. × 14 in.	...	...	1	6	0

OTHER SIZES SUPPLIED TO ORDER AT SHORT NOTICE. PRICES ON APPLICATION.

## EARTHENWARE FRAMES.

Also supplied mounted in best quality white glazed Earthenware Frames.  
Recommended for Schools, Hospitals and Public Institutions.

OVAL.				RECTANGULAR.				CIRCULAR.			
No.	Size.	£	s. d.	No.	Size.	£	s. d.	No.	Size.	£	s. d.
270	15½ in. × 13 in. ...	1	15 0	271	24 in. × 18 in. ...	3	0 0	272	20 in. diameter ...	2	3 6

## CHEVAL GLASSES—With and without Frames.

No.	Stock size	5 ft. 6 in. × 2 ft. 3 in.	Without frame	...	...	...	...	...	...	£	s.	d.
260	"	5 ft. 6 in. × 2 ft. 3 in.	In white enamelled frame	...	...	...	...	...	...	5	12	6
261	"	5 ft. 6 in. × 2 ft. 3 in.	In white enamelled frame	...	...	...	...	...	...	5	0	0

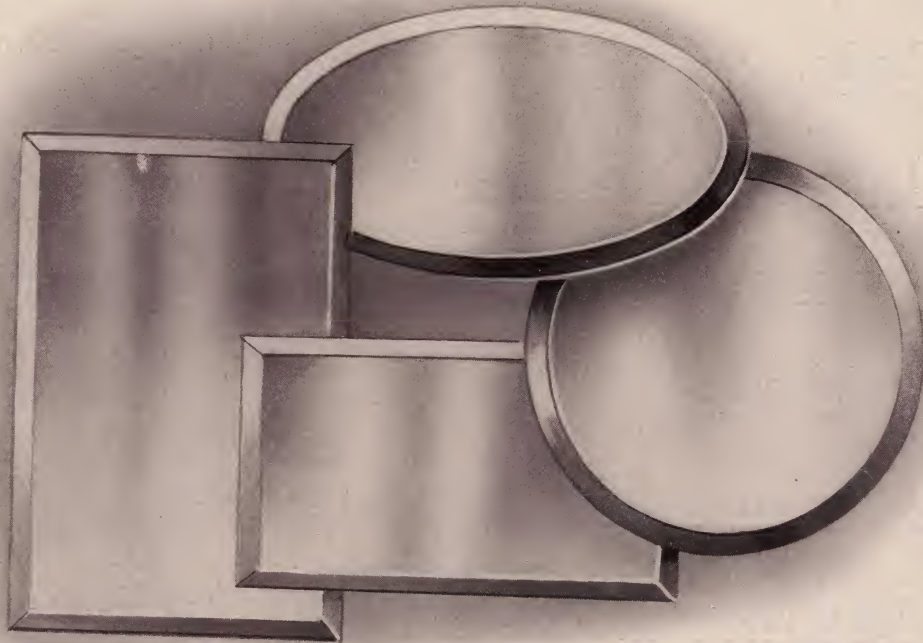
SPECIAL SIZES TO ORDER AT SHORT NOTICE.



# EWART'S BATHROOM MIRRORS.—Without Frames.

Best quality silvered  $\frac{1}{4}$ -inch plate glass with  $\frac{3}{4}$  inch bevelled edge, rounded and polished, without frames, presenting an attractive and hygienic appearance. The glass is specially selected for straightness and clearness of colour, giving true reflections without livid tints common with cheap glass. Prices include nickel-plated brass screws for screwing to wall.

MADE IN THREE SHAPES. DIMENSIONS ARE OUTSIDE OVER BEVEL.



## PRICES.

### OVAL.

No.	Size.	£	s.	d.
201	36 in. × 20 in.	1	9	6
203	34 in. × 18 in.	1	6	6
205	32 in. × 16 in.	1	3	6
207	27 in. × 20 in.	1	2	6
209	24 in. × 18 in.	1	0	0
211	20 in. × 14 in.	0	17	6

### RECTANGULAR.

No.	Size.	£	s.	d.
200	36 in. × 24 in.	1	14	0
202	36 in. × 22 in.	1	12	0
204	30 in. × 20 in.	1	10	0
206	32 in. × 18 in.	1	8	0
208	31 in. × 16 in.	1	6	0
210	29 in. × 14 in.	1	4	0
212	24 in. × 18 in.	1	2	0

### CIRCULAR.

No.	Size.	£	s.	d.
230	16 in. diameter	0	16	6
228	18 in. "	0	19	0
226	21 in. "	1	3	0

No.	Size.	£	s.	d.
224	24 in. diameter	1	8	0
222	26 in. "	1	10	0
220	30 in. "	1	18	0

The above mirrors are supplied drilled ready for fixing or may be drilled to suit special requirements.

MIRRORS MOUNTED IN SOLID SILVER OR NICKEL-PLATED BRASS FRAMES.

PRICES ON APPLICATION.

EWART & SON, Ltd., 346-350, Euston Road, LONDON, N.W.

Telegrams: "Geyser, London."

ESTABLISHED 1834.

Telephone: Museum 2570 (4 Lines).

SEPARATE LISTS (as under) ARE ALSO  
PUBLISHED, & WILL BE FORWARDED  
POST FREE UPON APPLICATION.

Baths. In Cast Iron Porcelain Enamelled, Copper, Zinc, or  
Tinned Iron.

Lavatories, Sinks, etc. in Earthenware and Fireclay.

Geysers. To heat by Gas, Oil or Fuel, for all purposes.

Radiators. Hot Water and Steam (self-contained), to heat  
by Gas.

Circulating Boilers. To heat by Gas or Fuel.

Ventilators & Smoke Curing Appliances.

Telegrams: "GEYSER, LONDON."

Telephone: Museum 2570 (4 Lines).

— ESTABLISHED 1834. —

20 GOLD MEDALS & AWARDS.

EWART & SON, LTD.,

346-350, EUSTON ROAD,

LONDON .. N.W.

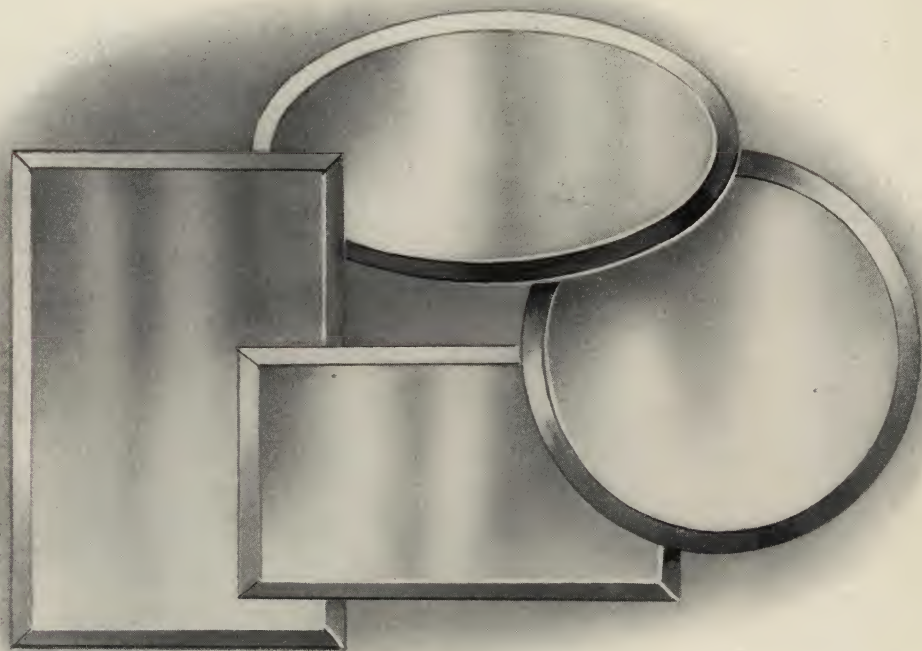


# Ewart's Bathroom Mirrors

## Without Frames.

Best quality silvered  $\frac{1}{4}$ -inch plate glass with 1 inch bevelled edge, rounded and polished, without frames, presenting an attractive and hygienic appearance. The glass is specially selected for straightness and clearness of colour, giving true reflections without livid tints common with cheap glass. Prices include nickel-plated brass screws for screwing to wall.

Made in Three Shapes. Dimensions are outside over bevel.



### PRICES.

Oval.				Rectangular.			
No.	Size.		£ s. d.	No.	Size.		£ s. d.
201	36 in. × 20 in.	...	1 6 6	200	36 in. × 24 in.	...	1 10 0
203	34 in. × 18 in.	...	1 3 6	202	36 in. × 22 in.	...	1 8 0
205	32 in. × 16 in.	...	1 0 0	204	30 in. × 20 in.	...	1 2 0
207	27 in. × 20 in.	...	1 0 0	206	32 in. × 18 in.	...	1 0 0
209	24 in. × 18 in.	...	0 17 0	208	31 in. × 16 in.	...	0 18 6
211	20 in. × 14 in.	...	0 12 6	210	29 in. × 14 in.	...	0 15 6
				212	24 in. × 18 in.	...	0 16 6

Circular.							
No.	Size.		£ s. d.	No.	Size.		£ s. d.
230	16 in. diameter	...	0 11 6	224	24 in. diameter	...	1 3 0
228	18 in. „	...	0 14 6	222	26 in. „	...	1 5 6
226	21 in. „	...	0 18 0	220	30 in. „	...	1 13 0

The above mirrors are supplied drilled ready for fixing or may be drilled to suit special requirements.

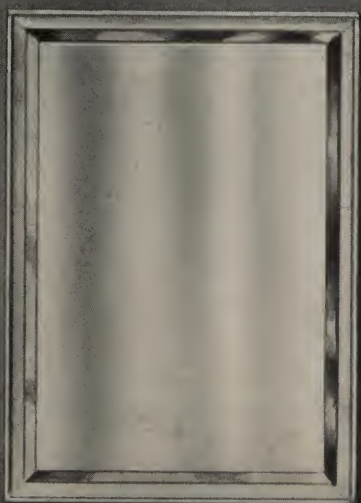
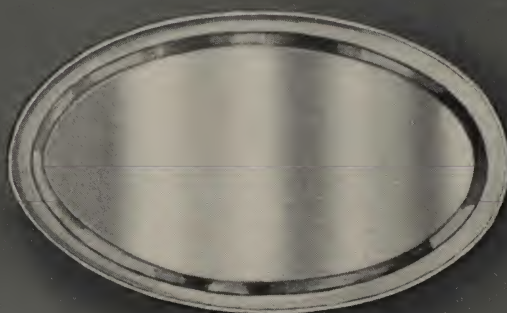
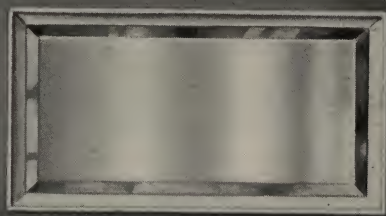
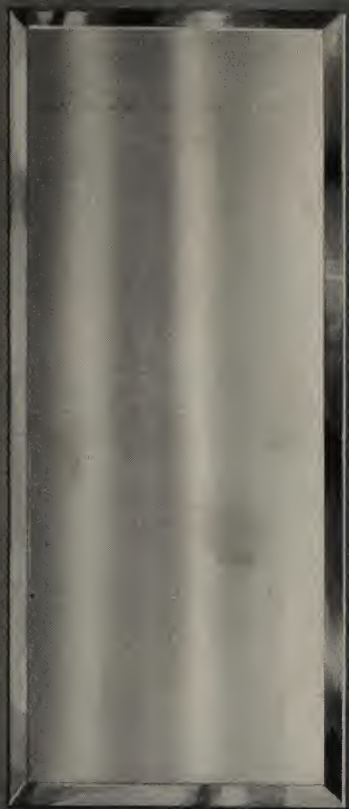
Mirrors Mounted in Solid Silver or Nickel-plated Brass Frames. Prices on application.

## EWART & SON Limited,

346, 348, 350, EUSTON ROAD, LONDON, N.W.

Telegrams:—"GEYSER, LONDON."  
Telephone:—NORTH 2570 (4 Lines).

ESTABLISHED 1834.  
20 GOLD MEDALS and Awards.





# Ewart's Bathroom Mirrors

With Frames.

Best quality silvered  $\frac{1}{4}$ -inch plate glass with 1 inch bevelled edge, mounted in 2 inch white enamelled frames with three-ply wood backs and eyes for hanging.

Made in various sizes—in three shapes, viz.: Oval, Circular and Rectangular.

Dimensions are outside over the frames.

## PRICES.

Oval.				Circular.			
No.	Size.		£ s. d.	No.	Size.		£ s. d.
231	40 in. × 24 in.	..	1 18 6	240	16 in. diameter	...	0 18 6
233	36 in. × 20 in.	...	1 14 6	242	18 in.	..	1 0 0
235	34 in. × 18 in.	...	1 12 6	244	21 in.	..	1 3 0
237	32 in. × 16 in.	...	1 8 6	246	24 in.	..	1 6
239	24 in. × 18 in.	...	1 6 6	248	26 in.	..	1 9 6
241	20 in. × 14 in.	...	1 0 6	250	30 in.	..	1 18 0

## Rectangular.

No.	Size.		£ s. d.	No.	Size.		£ s. d.
232	40 in. × 28 in.	...	1 14 0	236	31 in. × 16 in.	...	0 18 6
234	36 in. × 24 in.	...	1 10 0	238	29 in. × 14 in.	...	0 16 0

Other sizes supplied to order at short notice. Prices on application.

## Earthenware Frames.

Are also supplied mounted in best quality white glazed Earthenware Frames with plastered backs, and are recommended for Schools, Hospitals and Public Institutions.

## PRICES.

Oval.				Rectangular.			
No.	Size.		£ s. d.	No.	Size.		£ s. d.
270	15½ in. × 13 in.	...	1 5 0	271	24 in. × 18 in.	...	2 2 0

Circular.			
No.	Size.		£ s. d.
272	20 in. diameter	...	1 17 0

## Cheval Glasses.

With and without Frames.

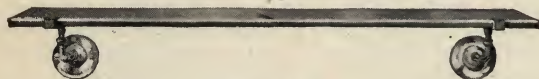
No.	Stock size	5 ft. 6 in. × 2 ft. 3 in.	Without frame	...	£ s. d.
260					4 14 0
261	„	5 ft. 6 in. × 2 ft. 3 in.	In white enamelled frame	...	4 2 6

Special sizes to order at short notice.

# Ewart's Bathroom Accessories.

## Plate Glass Shelves

With Nickel-plated Brass Brackets.



No. 126.

Plate Glass,  $\frac{1}{4}$  inch thick, 5 inches wide.

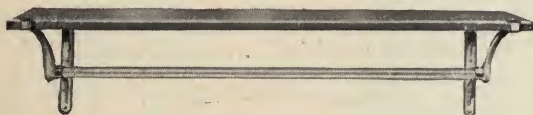
	£	s.	d.
24 inches long, with Brackets ...	0	12	6
27 " " " " ...	0	13	6



No. 126a.

Opalite,  $\frac{3}{8}$  inch thick, 5 inches wide.

	£	s.	d.
24 inches long, with Brackets ...	0	13	6
27 " " " " ...	0	14	6
36 " " " " ...	0	17	6



No. 123.

Plate Glass,  $\frac{1}{4}$  inch thick, 5 inches wide.

	27 in. long.			33 in. long.		
	£	s.	d.	£	s.	d.
Price, without Towel Rail	1	4	6	1	7	6
" with Glass "	1	7	6	1	11	6
" with Nickel "	1	7	0	1	11	0

## Corner Shelf.



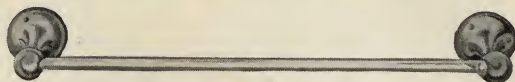
No. 126b.

	£	s.	d.
Plate Glass, $\frac{1}{4}$ inch thick ...	0	12	6

Front, 17 inches. Sides, 12 inches.

## Glass Towel Rails

With Nickel-plated Brass Sockets.



No. 15.

	£	s.	d.
24 inches long, $\frac{3}{4}$ inch Bar ...	0	7	9
30 " " $\frac{3}{4}$ " " ...	0	9	0
36 " " 1 " " ...	0	13	0



No. 102.

With  $2\frac{1}{4}$  inch round Glass Balls.

	£	s.	d.
24 inches long, 1 inch Bar ...	0	15	6
30 " " 1 " " ...	0	17	6



No. 102a.

With  $2\frac{1}{4}$  inch Full Cut Glass Balls.

	£	s.	d.
24 inches long, 1 inch Bar ...	1	2	6
30 " " 1 " " ...	1	4	6

The above Rails supplied in Opalite at the same prices.



No. 273.

## Extension Shaving Mirror.

Adjusts and Swivels in any direction; extends 24 inches. Mountings of Brass, Nickel-plated.

	£	s.	d.
8 inches diameter ...	0	16	0
10 " " ...	0	19	6

# EWART & SON Limited,

346, 348, 350, EUSTON ROAD, LONDON, N.W.

Telegrams:—"GEYSER, LONDON."  
Telephone:—NORTH 2570 (4 Lines).

ESTABLISHED 1834.  
20 GOLD MEDALS and Awards.



20 GOLD MEDALS  
and  
AWARDS.

Telephone Nos.

2570 }  
2571 } North (3 lines).  
2572 }

Telegrams "Geyser, London."

ESTABLISHED 1834.

# EWART'S HOT WATER TOWEL RAILS

in

Copper,  
Brass, and  
Iron.

**EWART & SON Limited**

**346, 348, 350, Euston Rd. LONDON N.W.**

# **Ewart's**

## **Improved Hot Water Towel Rails.**

**FOR CONNECTING TO CIRCULATIONS  
AND TO HEAT INDEPENDENTLY BY GAS.**

---

**Ewart's Improved Hot Water Towel Rails** occupy little space and are easily fixed, requiring only connection to the hot water circulation generally existing in the Bathroom.

Where installed, a supply of thoroughly dry and warm Towels is assured, adding materially to the comfort and sanitation of the Bathroom. This will be found a considerable advantage during the Winter months, when it is difficult to thoroughly air and dry Towels and Bath Sheets without artificial heat.

They are also of considerable utility as Radiators for heating the Bathroom, whilst there is nothing quite so delightful as putting on warm clothing after bathing.

Special attention is called to the (Patent) "**Euston**" and "**Eclipse**" **Self-Heating Towel Rails** (page Six). Requiring only connection to a small gas pipe, the cost of fixing is trifling. After lighting the gas, the "**Euston**" or "**Eclipse**" Towel Rail becomes heated throughout in a few minutes, free from the troubles of circulating pipes and the stoking of kitchen fires.

**Ewart's Improved Towel Rails** are suitable for the highest class of work, though the prices are comparatively low. All Brass and Copper Rails are made of the best solid drawn tube and finished best quality throughout.



# Ewart's Improved Hot Water Towel Rails.

## EWART'S No. 1 IMPROVED TOWEL RAIL (as illustrated).

Two uprights and three double horizontal rails. Flanges, floor blocks, and connections above or below floor line.

Screwed for standard unions.

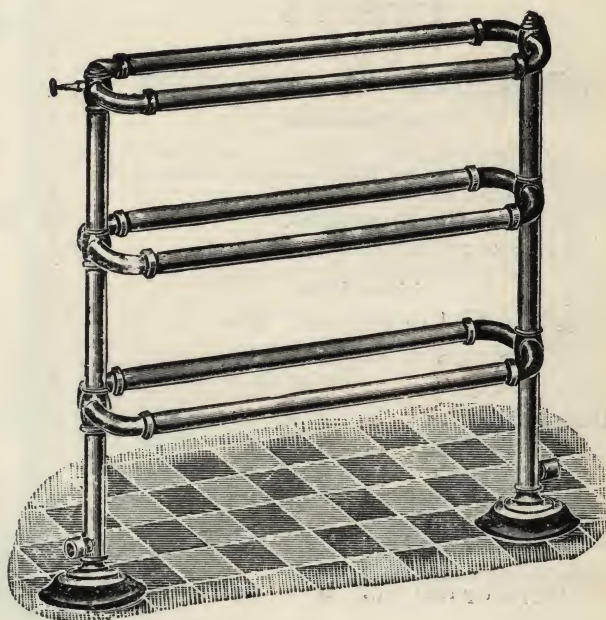
Tested to 35 lbs. working pressure.

### Dimensions:

3 ft. 6 in. high × 3 ft. wide.

### Prices:

		1½ in. Tube.			1½ in. Tube.		
		£	s.	d.	£	s.	d.
Brass, Polished	...	7	12	0	9	10	0
„ Nickel-plated	...	8	10	0	10	12	0
Copper, Polished	...	8	10	0	10	12	0
„ Nickel-plated	...	9	8	0	13	13	0



## EWART'S No. 3 IMPROVED TOWEL RAIL (as illustrated).

Adapted for fixing to walls, and specially suitable where floor-space is limited.

Two uprights and three horizontal rails, with flanges, and connections above or below flange.

Screwed for standard unions.

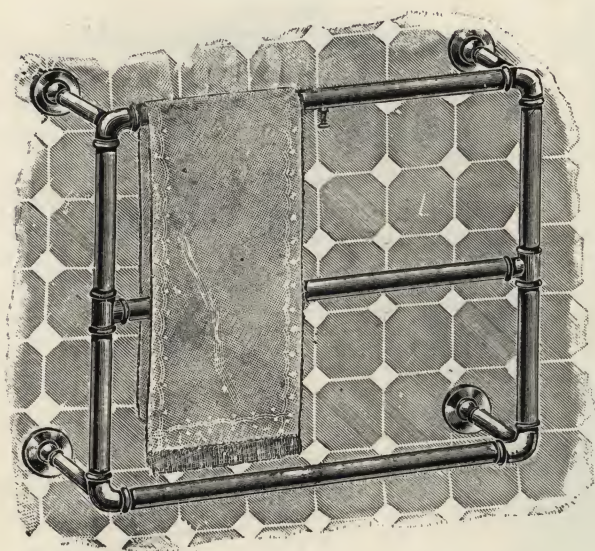
Tested to 35 lbs. working pressure.

### Dimensions:

3 ft. × 2 ft. 6 in.

### Prices:

		1½ in. Tube.			1½ in. Tube.		
		£	s.	d.	£	s.	d.
Brass, Polished	...	4	4	0	5	3	6
„ Nickel-plated	...	4	13	0	5	14	0
Copper, Polished	...	4	13	0	5	14	0
„ Nickel-plated	...	5	1	0	6	6	0



All Brass and Copper Rails are made only from best solid drawn tubes, and are tested to 35 lbs. working pressure. Quotations for Towel Rails to special sizes, and to heat by steam, upon application. For price of fittings, see page Seven.



# Ewart's Improved Hot Water Towel Rails.

## EWART'S No. 2 IMPROVED TOWEL RAIL

(as illustrated).

Two uprights with double top rail and two horizontal rails; flanges, floor blocks and connections above or below floor line.

Screwed for standard unions.

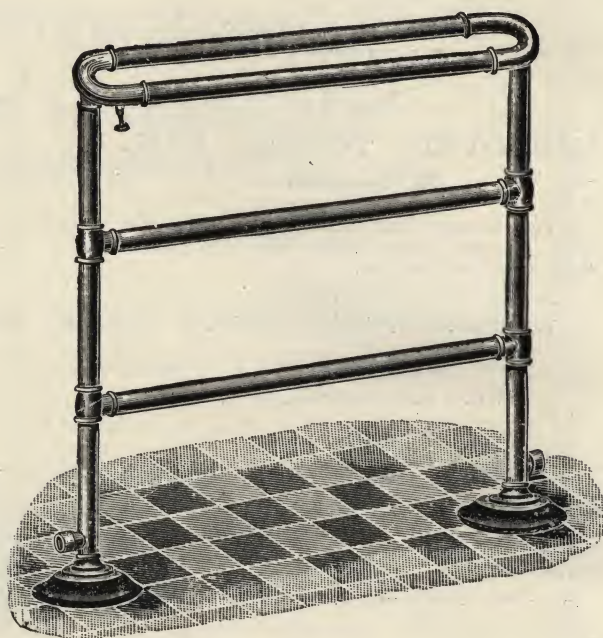
Tested to 35 lbs. working pressure

### Dimensions:

3 ft. 6 in. high  $\times$  3 ft. wide.

### Prices:

	1½ in. Tube.	1½ in. Tube.
	£ s. d.	£ s. d.
Brass, Polished ...	5 14 0	6 18 6
„ Nickel-plated ...	6 5 6	7 12 0
Copper, Polished ...	6 5 6	7 12 0
„ Nickel-plated ...	6 18 6	8 5 0
Iron, Painted, with Nickel-plated Brass top rails	5 1 0	6 0 0
Iron, Painted, with polished Copper top rails ...	5 2 0	6 2 0



## EWART'S No. 4 IMPROVED TOWEL RAIL

(as illustrated).

Two uprights with three horizontal rails; flanges, floor blocks and connections above or below floor line.

Screwed for standard unions.

Tested to 35 lbs. working pressure.

### Dimensions:

3 ft. 6 in. high  $\times$  3 ft. wide.

### Prices:

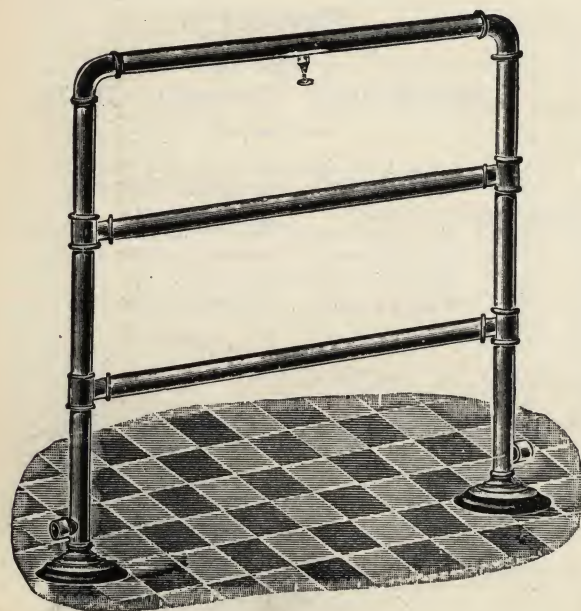
	1½ in. Tube.	1½ in. Tube.
	£ s. d.	£ s. d.
Brass, Polished ...	4 4 0	5 4 0
„ Nickel-plated ...	4 13 0	5 14 0
Copper, Polished ...	4 13 0	5 14 0
„ Nickel-plated ...	5 1 0	6 4 6
Iron, Painted, with Nickel-plated Brass top rail	3 11 0	4 9 0
Iron, Painted, with polished Copper top rail ...	3 12 0	4 11 0

### No. 4A.

### Dimensions:

2 ft. 6 in. high  $\times$  2 ft. wide.

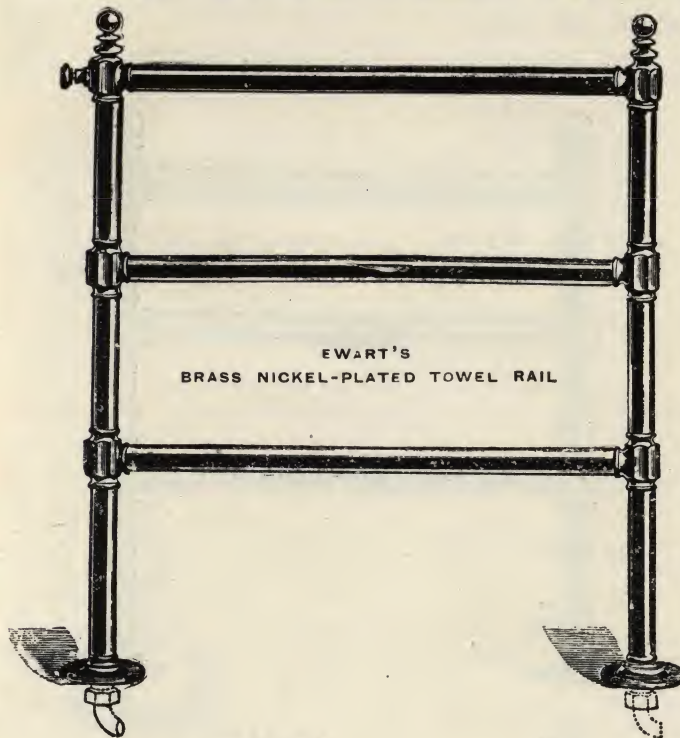
Iron, Painted, 1½ in. tube ...	2 8 0
Iron, Painted, 1½ in. tube ...	3 2 0



All Brass and Copper rails are made only from best solid drawn tubes, and are tested to 35 lbs. working pressure. Quotations for Towel Rails to special sizes, and to heat by steam, upon application. For price of Fittings, see page Seven.



# Ewart's Improved Hot Water Towel Rails.



EWART'S  
BRASS NICKEL-PLATED TOWEL RAIL

## EWART'S No. 6 IMPROVED TOWEL RAIL

(as illustrated).

Two uprights and three horizontal rails, with hexagon joints. Flanges, floor blocks, and connections above or below floor line.

Screwed for standard unions.

Tested to 35 lbs. working pressure.

### Dimensions :

3 ft. 6 in. high × 3 ft. wide.

### Prices :

	1½ in. Tube.			1½ in. Tube.		
	£	s.	d.	£	s.	d.
Brass, Polished ...	4	10	6	5	10	0
„ Nickel-plated	5	1	0	6	4	0
Copper, Polished ...	5	1	0	6	4	0
„ Nickel-plated	5	11	0	6	18	0

## EWART'S No. 5 IMPROVED TOWEL RAIL

(as illustrated).

Two uprights and three horizontal rails, with flush joints. Flanges, floor blocks, and connections above or below floor line.

Screwed for standard unions.

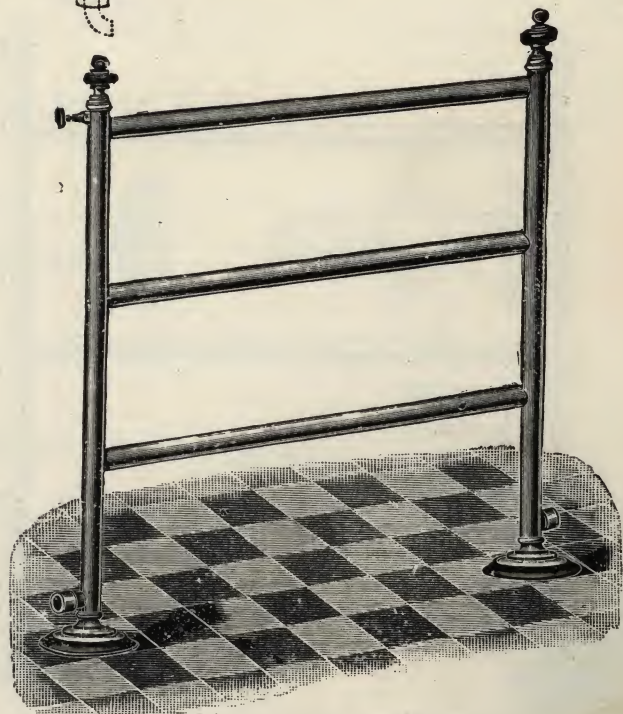
Tested to 35 lbs. working pressure.

### Dimensions :

3 ft. 6 in. high × 3 ft. wide.

### Prices :

	1½ in. Tube.			1½ in. Tube.		
	£	s.	d.	£	s.	d.
Brass, Polished ...	3	12	0	4	8	0
„ Nickel-plated ...	4	4	0	5	0	0
Copper, Polished ...	4	4	0	5	0	0
„ Nickel-plated ...	4	12	0	5	12	0
Iron, Painted ...	2	14	0	3	8	0



All Brass and Copper Rails are made of best solid drawn tubes, and are tested to 35 lbs. working pressure. Quotations for Towel Rails to special sizes, and to heat by steam, on application. For price of Fittings, see page Seven.

# Ewart's Self-contained Hot Water Towel Rails.

HEATED BY GAS.

Adapted for positions where it is not convenient or desirable to connect to circulating pipes.

## EWART'S "EUSTON" TOWEL RAIL

Patent.

The "Euston" Patent Towel Rail is modelled on the construction of the well-known "Euston" Radiator.

It is placed in position, filled with water, and connected by a small pipe to the nearest gas supply. It can then be heated very quickly, quite independent of kitchen fire, also the heat is easily regulated by the turning of a tap.

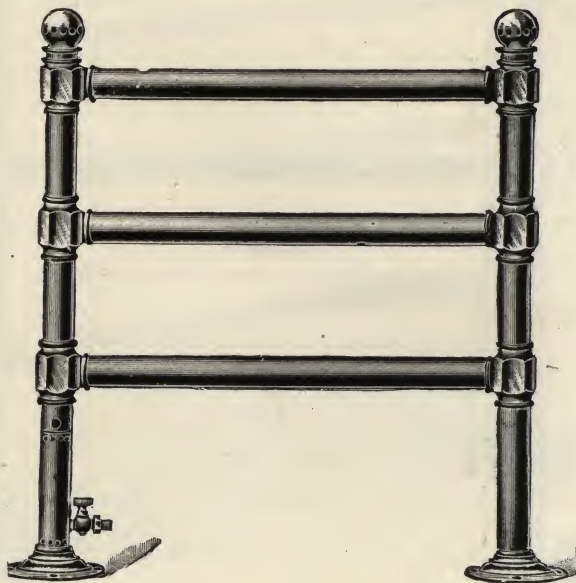
Made of stout solid drawn brass tubes,  $1\frac{1}{2}$  in. diameter, with heavy cast brass connections and brazed joints. A Towel Rail of exceptional durability and finish.

Dimensions :

3 ft. high  $\times$  3 ft. 6 in. wide.

Price :

Complete, heavily nickel-plated, £6 16s. 0d.



## EWART'S "ECLIPSE" TOWEL RAIL

Patent.

An Inexpensive, Artistic and Useful  
Self-heated Towel Rail.

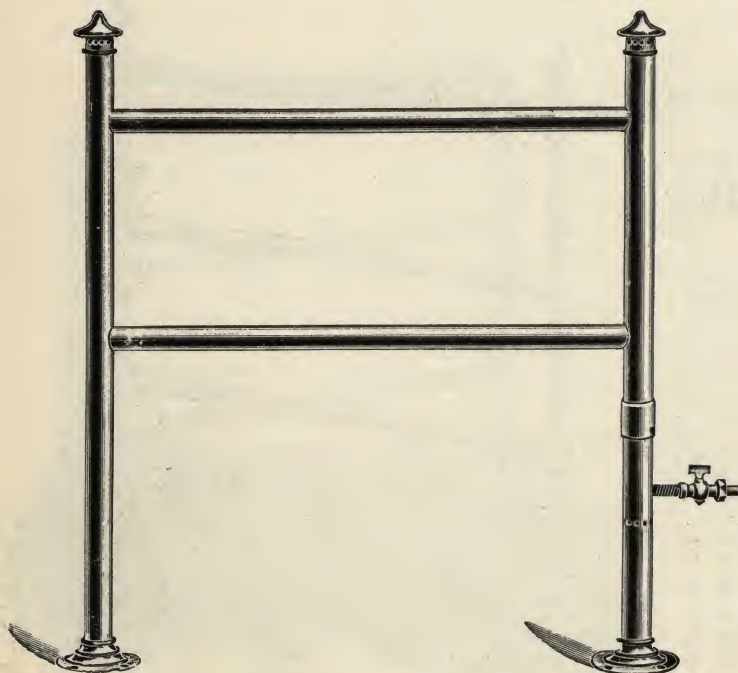
The "Eclipse" Patent Towel Rail requires only the attachment of a small gas pipe (a flexible tube will serve), and to be filled with water. Within a few minutes of the gas being lighted it becomes heated throughout, working for hours without attention.

The consumption of gas by the "Eclipse" Towel Rail is only about 5 cubic feet per hour in full use. The cost, therefore, of working is incomparable with any other heated Towel Rail.

Made throughout of solid drawn brass tube with brazed joints, complete with gas tap and union.

Price :

Complete, heavily nickel-plated,  
£3 10s. 0d.



Self-heated Towel Rails of special shape and size made to any specification. Prices upon application.  
Self-contained Radiators and Heating Appliances to heat by Steam, Hot Water, or Electricity. Full particulars and prices on application.



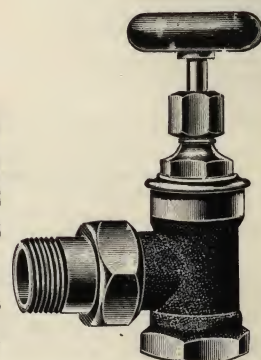
# FITTINGS FOR Ewart's Improved Towel Rails.

## EWART'S QUICK-OPENING VALVES.

No.	Screwed for W.I. Pipe:	Without Union.				With Union.			
		$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.
21	Rough body, not plated	3/8	5/-	7/2	9/10	5/6	7/2	9/10	14/6
22	„ „ nickel-plated	4/4	5/10	8/-	11/-	6/2	8/-	11/2	15/8
23	Finished body, not plated	4/10	6/4	8/8	11/6	6/10	8/8	11/6	16/2
24	„ „ nickel-plated	5/6	7/2	9/6	12/8	7/6	9/6	12/10	17/6

Ewart's Quick-Opening Valve will be found the most suitable for Radiator work. It is so constructed that one quarter turn of the ebony handle will open the valve to its full extent.

The passages through the valve are of full area, offering no obstruction to the free flow of water. Made of heavy brass and highly finished throughout.



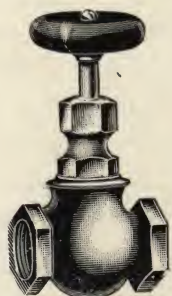
No. 21, with Union.

## EWART'S GLOBE RADIATOR VALVES.

For fixing in upright of Towel Rail, above floor line.  
Finished bodies only.

No.		$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.	$1\frac{1}{2}$ in.
31	Bronze Seat, polished gun-metal ...	8/-	10/4	14/-	18/6
32	„ „ nickel-plated gun-metal ...	9/3	11/8	15/6	20/-

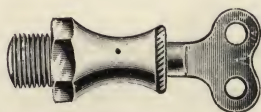
Made of heavy gun-metal, highly finished throughout.



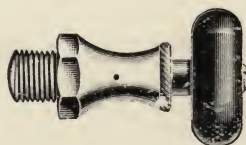
No. 31.

## EWART'S RADIATOR AIR-COCKS.

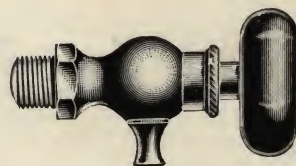
Of gun-metal, nickel-plated.



No. 1 ... Price 1/1



No. 2 ... Price 1/3

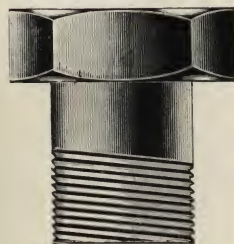


No. 3 ... Price 1/6

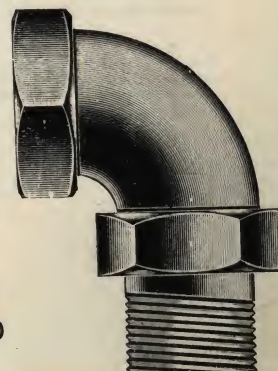
## UNIONS AND UNION ELBOWS.

Gun-metal. Finished body.

No.		Screwed for W.I. Pipe: $\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in.
40	Finished body, not plated	1/4	1/10	2/6
41	„ „ nickel-plated	1/10	2/4	3/-
60	„ „ not plated	2/8	3/8	5/2
61	„ „ nickel-plated	3/4	4/4	5/10



No. 40.



No. 60.

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Separate Lists (as under) are also published,  
and will be forwarded post free on application.

**Baths.** In Cast Iron Porcelain enamelled, Copper, Zinc or  
Tinned Iron.

**Geysers.** To heat by Gas, Oil or Fuel, for all purposes.

**Radiators.** Hot Water and Steam (self-contained), to heat  
by Gas.

**Circulating Boilers.** To heat by Gas or Fuel.

**Ventilators and Smoke Curing Appliances.**

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